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1972

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Water Resources Data for Mississippi Water Year 1971

Part 1. Surface Water Records

Part 2. Water Quality Records

MARCH 3, 1849

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U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-71-1

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Prepared in cooperation with the Mississippi Board of Water Commissioners and with other State, county, municipal, and Federal agencies

CALENDAR FOR WATER YEAR 1971

OCTOBER 1970

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

NOVEMBER 1970

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

DECEMBER 1970

S	M	T	W	T	F	S
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27	28	29	30	31		

JANUARY 1971

S	M	T	W	T	F	S
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3	4	5	6	7	8	9
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17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

FEBRUARY 1971

S	M	T	W	T	F	S
	1	2	3	4	5	6
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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

MARCH 1971

S	M	T	W	T	F	S
	1	2	3	4	5	6
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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

APRIL 1971

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

MAY 1971

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

JUNE 1971

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

JULY 1971

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

AUGUST 1971

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

SEPTEMBER 1971

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

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Water resources data for the 1971 water year for Mississippi consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs. This report contains discharge records for 72 gaging stations; stage and contents for 4 lakes and reservoirs; water quality for 26 gaging stations. Also included are 27 low-flow and 143 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements and analyses. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating local, State, and Federal agencies in Mississippi.

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for
Mississippi
Water Year 1971

Part 1. Surface Water Records
Part 2. Water Quality Records

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Prepared in cooperation with the Mississippi Board of
Water Commissioners and with other State, county,
municipal, and Federal agencies

Ia

Prepared in cooperation with

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Mississippi State Highway Department
Mississippi Research and Development Center
Mississippi Air and Water Pollution Control Commission
Pat Harrison Waterway District
Pearl River Valley Water Supply District
Harrison County Development Commission
Jackson County Port Authority
City of Jackson
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1972

CONTENTS

Page

List of surface-water stations, in downstream order, for which records are published IV
List of water-quality stations, in downstream order, for which records are published VI
Introduction 1
Cooperation 2
Definition of terms 3
Special network and programs 6
Downstream order and station numbers 7
Surface water records 8
  Collection and computation of data 8
  Accuracy of data 12
  Publications 13
  Other data available 14
  Records of discharge collected by agencies other than the Geological Survey 14
Water quality records 14
  Collection and examination of data 14
  Solutes 16
  Temperature 16
  Publications 16
Hydrologic conditions 17
Selected references 18
Part 1. Surface-water records 23
Part 2. Water-quality records 129
Index 177

ILLUSTRATIONS

Figure 1. Map showing location of gaging and water-quality sampling stations 19
2. Map showing location of partial-record stations 20
3. Runoff during 1971 water year compared with median runoff for period 1931-60 for three representative gaging stations 21

SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

Page

MOBILE RIVER BASIN

- Tombigbee River:
  - Mackeys Creek near Dennis 24
- Tombigbee River near Fulton 25
  - Bull Mountain Creek near Smithville 26
- Tombigbee River at Bigbee 27
  - Town Creek at Eason Boulevard at Tupelo 28
  - Town Creek near Nettleton 29
- Tombigbee River near Amory 30
  - Buttahatchee River near Aberdeen 31
  - Chuquatonchee Creek (head of Tibbee Creek) near Egypt 32
  - Chuquatonchee Creek near West Point 33
  - Tibbee Creek near Tibbee 34
- Tombigbee River at Columbus 35
  - Luxapallila Creek at Steens 36
- Tombigbee River near Cochrane, Ala 37
  - Noxubee River at Macon 38
  - Noxubee River near Geiger, Ala 39

PASCAGOULA RIVER BASIN

- Leaf River (head of Pascagoula River) near Collins 40
  - Bowie Creek near Hattiesburg 41
    - Okatoma Creek at Saratoga 42
- Leaf River at Hattiesburg 45
  - Tallahala Creek at Laurel 46
  - Tallahala Creek near Runnelstown 47
  - Bogue Homo near Richton 48
- Leaf River near McLain 49
  - Chunky River (head of Chickasawhay River) near Chunky 50
    - Okatibbee Creek near Meridian 51
      - Sowashee Creek at Meridian 52
    - Okatibbee Creek at Arundel 53
  - Chickasawhay River at Enterprise 54
  - Chickasawhay River at Leakesville 55
- Pascagoula River at Merrill 56
  - Big Black Creek:
  - Black Creek (head of Big Black Creek) near Brooklyn 57
    - Cypress Creek near Janice 58
    - Red Creek at Vestry 59
  - Escatawpa River near Wilmer, Ala 60

TCHOUTACABOUFFA RIVER BASIN

- Tchoutacabouffa River:
  - Tuxachanie Creek near Biloxi 61

BILOXI RIVER BASIN

- Biloxi River at Wortham 62

WOLF RIVER BASIN

- Wolf River near Lyman 63

SURFACE-WATER STATIONS IN DOWNSTREAM ORDER

Page

PEARL RIVER BASIN

Pearl River at Edinburg........ 64
Pearl River near Carthage........ 65
Tuscolameta Creek at Walnut Grove........ 66
Yockanookany River near Kosciusko........ 67
Yockanookany River near Ofahoma........ 68
Pearl River at Jackson........ 69
Strong River at D'Lo........ 70
Pearl River near Monticello........ 71
Whitesand Creek near Oak Vale........ 72
Pearl River near Bogalusa, La........ 73
Bogue Chitto near Tylertown........ 74

MISSISSIPPI RIVER BASIN

Mississippi River:
OHIO RIVER BASIN
Ohio River:
TENNESSEE RIVER BASIN

Tennessee River at Florence, Ala........ 75
Bear Creek near Mingo........ 76
Bear Creek at Bishop, Ala........ 77
Mississippi River at Memphis, Tenn........ 78

YAZOO RIVER BASIN
Tallahatchie River (head of Yazoo River):

Cane Creek near New Albany........ 79
Tallahatchie River at Etta........ 80
Clear Creek near Oxford........ 81
Sardis Lake near Sardis........ 82
Tallahatchie River at Sardis Dam, near Sardis........ 83

Panola-Quitman Floodway (continuation of Tallahatchie River):

Yocona River near Oxford........ 84
Enid Lake near Enid........ 85
Yocona River at Enid Dam, near Enid........ 86

Tallahatchie River (old channel):
Coldwater River:

Arkabutla Lake near Arkabutla........ 87
Coldwater River at Arkabutla Dam, near Arkabutla........ 88
Tallahatchie River (old channel) near Lambert........ 89
Tallahatchie River at Swan Lake........ 90
Yalobusha River at Calhoun City........ 91
Skuna River at Bruce........ 92
Grenada Lake near Grenada........ 94
Yalobusha River at Grenada Dam, near Grenada........ 95

Tippo Bayou:

Askalmore Creek at Retention Dam, near Cascilla........ 96
Yazoo River at Greenwood........ 97
Sunflower River at Sunflower........ 98

Page

MISSISSIPPI RIVER BASIN--Continued

Mississippi River near Vicksburg.................................. 99
  BIG BLACK RIVER BASIN
  Big Black River at Pickens...................................... 101
  Big Black River near Bovina..................................... 102
  BAYOU PIERRE BASIN
  Bayou Pierre near Willows....................................... 103
  HOMOCHITTO RIVER BASIN
  Homochitto River at Eddiceton................................... 104
  Homochitto River at Rosetta..................................... 105
  BUFFALO RIVER BASIN
  Buffalo River near Woodville.................................... 106
MISSISSIPPI RIVER DELTA
  Amite River near Darlington, La................................. 107
Discharge at partial-record stations and miscellaneous sites...... 108
  Low-flow partial-record stations................................ 108
  Crest-stage partial-record stations............................. 111
  Measurements at miscellaneous sites............................. 123

WATER-QUALITY STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

(Letters after station name designate type of data: (c), chemical;
(t), water temperature)

PASCAGOULA RIVER BASIN

Leaf River (head of Pascagoula River):
  Bowie Creek:
    Okatoma Creek at Saratoga (c)................................. 130
Leaf River near Palmer (c,t)...................................... 131
  Tallahala Creek near Runnelstown (c)............................ 134
  Bogue Homo near Laurel (c)...................................... 136
  Chickasawhay River:
    Okatibbee Creek at Arundel (c)................................ 137
  Chickasawhay River at Enterprise (c)............................ 139
Pascagoula River at Merrill (c,t)................................. 140
Pascagoula River near Benndale (c)................................ 142
  Big Black Creek:
  Black Creek (head of Big Black Creek):
    Cypress Creek near Janice (c)................................. 143
  Black Creek near Benndale (c)................................... 144
  Escatawpa River at Moss Point (c)............................... 145

WATER-QUALITY STATIONS, IN DOWNSTREAM ORDER

Page

PEARL RIVER BASIN

Pearl River near Carthage (c).................................... 146
  Yockanookany River near Ofahoma (c)........................... 147
Pearl River above Byram (c)...................................... 148
Pearl River near Georgetown (c).................................. 150
Pearl River near Monticello (c).................................. 151
Pearl River near Columbia (c).................................... 152
  Bogue Chitto near Lehr (c)..................................... 153
  Hobolochitto Creek near Picayune (c)........................... 154

MISSISSIPPI RIVER BASIN

Mississippi River:

HATCHIE RIVER BASIN

Hatchie River near Walnut (c).................................. 155
  Tuscumbia River near Corinth (c)............................. 156

YAZOO RIVER BASIN

Tallahatchie River (head of Yazoo River):

Coldwater River at Arkabutla Dam, near Arkabutla (c).......... 157
Tallahatchie River (old channel) near Lambert (c)............. 158
Sunflower River at Little Callao Landing, near Belzoni (c)... 159

BAYOU PIERRE BASIN

Bayou Pierre:

Whiteoak Creek near Crystal Springs (c)....................... 160

HOMOCHITTO RIVER BASIN

Homochitto River at Rosetta (c) 161
Analyses of samples collected at water-quality partial-record stations (c,t).. 162
Analyses of samples collected at miscellaneous sites (c)......... 174

WATER RESOURCES DATA FOR MISSISSIPPI, 1971

Part 1. Surface-Water Records
Part 2. Water-Quality Records

INTRODUCTION

Water resources data for the 1971 water year for Mississippi including records of streamflow or reservoir storage at gaging stations, partial-record stations, and miscellaneous sites, and records of water-quality data on the chemical and physical characteristics of surface water, are given in this report. In Part 1, records are included for 71 gaging stations of which 67 are streamflow discharge stations, and 4 are reservoir or lake stations; also are included records for 27 low-flow partial-record stations, 143 crest-stage partial-record stations, and 91 miscellaneous sites. Locations of gaging stations are shown in Figure 1. In Part 2, data on the quality of surface water (chemical and temperature) were collected from designated sampling sites at predetermined intervals such as monthly, or less frequently, and at one site data were recorded on punched paper tape at 60-minute intervals. Records are given for 55 sampling stations of which 5 are continuous record stations, 26 are partial-record stations, and 3 are miscellaneous sites. Locations of water-quality stations are shown in Figure 1. A few pertinent stations (not included above) in bordering States are also included in this report. The records were collected and computed by the Water Resources Division of the U.S. Geological Survey under the direction of L. E. Carroon, district chief. These data represent that portion of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Mississippi.

Beginning with the 1961 water year, streamflow records and related data have been released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records beginning with the 1964 water year have been similarly released either in separate reports or in conjunction with streamflow records. These reports are for limited distribution and are designed primarily for rapid release of data shortly after the end of the water year.

Records of discharge and stage of streams, and contents and stage of lakes and reservoirs are published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and since then are in a 5-year series. Records of chemical quality, water temperatures, and suspended sediment have been published since 1941 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." More information is given under the headings "Publications" on page 13.

COOPERATION

The U.S. Geological Survey and organizations of the State of Mississippi have had cooperative agreements for the systematic collection of streamflow records since 1931, and for water-quality records since 1964. Organizations that assisted in collecting data through cooperation with the Survey are:

Mississippi Board of Water Commissioners, Jack W. Pepper, water engineer.

Mississippi State Highway Department, E. L. Boteler, director.

Mississippi Research and Development Center, Dr. Kenneth C. Wagner, director.

Mississippi Air and Water Pollution Control Commission, Glen Wood, Jr., executive secretary.

Pat Harrison Waterway District, Swep T. Davis, executive director-secretary.

Pearl River Valley Water Supply District, R. M. Hederman, Jr., president.

Harrison County Development Commission, Tommy Munroe, president.

Jackson County Port Authority, A. T. Dantzler, president.

City of Jackson, Russell C. Davis, mayor.

Assistance in the form of funds or services was given by the Corps of Engineers, Department of the Army, in collecting records for 38 gaging stations published in this report.

Assistance was also furnished by the National Weather Service, NOAA, U.S. Department of Commerce; the Soil Conservation Service, U.S. Department of Agriculture and the Environmental Protection Agency.

The Vicksburg Bridge Commission of Warren County aided in collecting records.

Organizations that supplied data are acknowledged in station descriptions.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined as follows:

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons.

Biochemical oxygen demand (BOD) is the amount of oxygen required by bacteria while stabilizing decomposable organic matter under aerobic conditions.

CFS-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, or about 646,000 gallons, and represents a runoff of approximately 0.0372 inch from 1 square mile.

Chemical oxygen demand (COD) indicates the quantity of oxidizable compounds in water and varies with water composition(s), temperature, period of contact, and other factors.

Coliform organisms are a group of bacteria used as an indicator of the sanitary quality of the water. The number of coliform colonies per 100 milliliters is determined by the immediate or delayed incubation membrane filter method.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained. assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute.

__Discharge__ is the volume of water (or more broadly, total fluids), that passes a given point within a given period of time.

__Mean discharge__ is the arithmetic average of individual daily mean discharges during a specific period.

__Instantaneous discharge__ is the discharge at a particular instant of time. If this discharge is reported instead of the daily mean, the heading of the discharge column in the tables is "Discharge (cfs)."

__Drainage area__ of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

__Gage height__ (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the general term "stage," although gage height is more appropriate when used with a reading on a gage.

__Gaging station__ is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

__Hardness__ of water is a physical-chemical characteristic attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

__Micrograms per liter__ (ug/l, UG/L) is a unit expressing the concentration of chemical constituents in solution as the weight (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

__Milligrams per liter__ (mg/l, MG/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Milligrams or micrograms per liter may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per liter by multiplying by the factors in table 1, page 5.

__Partial-record station__ is a particular site where limited streamflow or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Table 1.--Factors for conversion of chemical constituents in milligrams or *micrograms per liter* to milliequivalents per liter

Ion	Multiply by	Ion	Multiply by
Aluminum (Al^{+3})*...	0.11119	Iodide (I^{-1})......	0.00788
Ammonia as NH_4^{+1}...	.05544	Iron (Fe^{+3}).......	.05372
Barium (Ba^{+2})......	.01456	Lead (Pb^{+2})*......	.00965
Bicarbonate (HCO_3^{-1})	.01639	Lithium (Li^{+1})*...	.14411
Bromide (Br^{-1}).....	.01251	Magnesium (Mg^{+2})..	.08226
Calcium (Ca^{+2}).....	.04990	Manganese (Mn^{+2})*.	.03640
Carbonate (CO_3^{-2})..	.03333	Nickel (Ni^{+2})*....	.03406
Chloride (Cl^{-1})....	.02821	Nitrate (NO_3^{-1})...	.01613
Chromium (Cr^{+6})*...	.11539	Nitrite (NO_2^{-1})...	.02174
Cobalt (Co^{+2})*.....	.03394	Phosphate (PO_4^{-3}).	.03159
Copper (Cu^{+2})*.....	.03148	Potassium (K^{+1})...	.02557
Cyanide (CN^{-1})	.03844	Sodium (Na^{+1}).....	.04350
Fluoride (F^{-1}).....	.05264	Strontium (Sr^{+2})*.	.02283
Hydrogen (H^{+1}).....	.99209	Sulfate (SO_4^{-2})...	.02082
Hydroxide (OH^{-1})...	.05880	Zinc (Zn^{+2})*......	.03060

*Constituent reported in micrograms per liter; multiply by factor and divide results by 1,000.

Runoff in inches (IN.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions with soil and is an index of sodium or alkali hazard to the soil. This ratio should be known especially for water used for irrigating farmland.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimeter at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream or from well to well, and it may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height and the volume of water per unit of time, flowing in a channel.

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

Tons per acre-foot indicates the dry weight of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

Tons per day is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour day.

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published State annual basic-data reports.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin. Station 02479155, Cypress Creek near Janice, has been designated as a Hydrologic bench-mark station.

International Hydrological Decade(IHD) River Stations provide a general index of runoff and materials in the water balance (discharge of water, and dissolved and transported solids) of the world. In the United States, IHD Stations provide indices of runoff and of the general distribution of water in the principal river basins of the conterminous United States and Alaska. Station 02479000, Pascagoula River at Merrill, has been designated as an IHD Station.

Pesticide program is a network of regularly sampled water-quality stations where additional monthly samples are collected to determine the concentration and distribution of pesticides in streams whose waters are used for irrigation or in streams in areas where potential contamination could result from the application of the commonly used insecticides and herbicides.

Radiochemical program is a network of regularly sampled water quality stations where additional samples are collected twice a year (at high and low flow) to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

DOWNSTREAM ORDER AND STATION NUMBER

Stations are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report the rank of tributaries is indicated by indention, each indention representing one rank.

As an added means of indentification, each gaging station, partial-record station, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 02430000, which appears just to the left of the station name includes the 2-digit part number "02" plus the 6-digit downstream order number "430000." In this report, the records are listed in downstream order by parts. The part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in Part 2 (Eastern Gulf of Mexico basins), Part 3 (Ohio River basin), and Part 7 (Lower Mississippi River basin). All records for a drainage basin encompassing more than one State can be arranged in downstream order by assembling pages from the various State reports by station number to include all records in the basin.

SURFACE WATER RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at 5-, 15-, 30- or 60-minute intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6. Surface areas of lakes or reservoirs are determined from instrument surveys using standard methods. The configuration of the reservoir bottom is determined by sounding at many points.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record and occasional winter discharge measurements, consideration being given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the current water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

The descriptions of the gaging stations give the location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge or contents, general remarks, and notations of revisions of previously published records. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD." The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualified. The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE;" it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period or record cause the figure to have little significance. The maximum discharge (or contents) and the maximum gage height, the minimum discharge if there is little or no regulation (or minimum contents) and the minimum gage height if it is significant are given under "EXTREMES." The minimum daily discharge is given if there is extensive regulation (also the minimum discharge and gage height if they are abnormally low). In the first paragraph headed "Current year," the data given are for the complete current water year unless otherwise specified. In the second paragraph under "EXTREMES" headed "Period of record:" the data given are for the period of record given in PERIOD OF RECORD paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES." Unless otherwise qualified, the maximum discharge (or contents) corresponds to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge, it is given separately. Information pertaining to the accuracy of the discharge records, to conditions that affect the natural flow at the gaging station, and availability of Water Quality records, is given under "REMARKS;" for reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir, is also given under "REMARKS."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

Skeleton capacity tables are published for all reservoirs for which records of contents are published on a daily basis.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches.

In the yearly summary below the monthly summary, the figures following "MAX" are the maximum daily discharges for the calendar and water years; likewise, those following "MIN" are the minimum daily discharges.

Footnotes to the table of daily discharges are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the yearly summary. All independent peaks above the selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subjected to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330.

For gaging stations on lakes and reservoirs the data presented comprise a description of the station and a table showing daily contents. A skeleton table of capacity at given stages is published for all reservoirs.

Data collected at partial-record stations and miscellaneous sites are given in three tables at the end of the surface-water records in this report. The first is a table of discharge measurements at low-flow partial-record stations, the second is a table of annual maximum stage and discharge at crest-stage stations, and the third is a table of discharge measurements at miscellaneous sites.

Accuracy of data

The accuracy of discharge data depends primarily on (1) the stability of the stage-discharge relation, or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; to 3 significant figures between 1,000 and 1,000,000 cfs; and to 4 significant figures above 1,000,000 cfs.

The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Publications

In each water-supply paper entitled, "Surface Water Supply of the United States" there is a list of numbers of preceding water-supply papers containing streamflow information for the area covered by that report. In addition, there is a list of numbers of water-supply papers containing detailed information on major floods in the area. Records for stations in Mississippi for the period October 1960 to September 1965 are in Water-Supply Papers 1906 and 1920.

Two series of summary reports entitled, "Compilation of Records of Surface Waters of the United States" have been published; the first series covers the entire period of record through September 1950 and the second series covers the period October 1950 to September 1960. These reports contain summaries of monthly and annual discharge and monthend storage for all previously published records, as well as some records not contained in the annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the numbers of the water-supply papers in which daily records were published for that station. Records for stations in Mississippi are compiled in Water-Supply Papers 1304 and 1311 through September 1950, and in 1724 and 1731 for October 1950 to September 1960.

Special reports on major floods or droughts or of other hydrologic studies for the area have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

Other data available

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurements, gage-height records, and rating tables, is on file in the district office. Also most gaging station records are available in computer-usable form and many statistical analyses have been made.

Records of discharge collected by agencies other than the Geological Survey

Records of discharge not published by the Geological Survey were collected in Mississippi at 92 sites during the water year by the following agencies: Records of daily discharge were collected at 8 sites by the Agricultural Research Service, U.S. Department of Agriculture; and at 4 sites by the Corps of Engineers, U.S. Army. In addition, records of stage, with periodic discharge observations, were also collected by the Corps of Engineers at approximately 80 additional sites. Information on specific sites can be obtained from the district office of the U.S. Geological Survey at the address given on page II of this report.

WATER QUALITY RECORDS

Collection and examination of data

Water samples for analyses usually are collected at or near gaging stations. The discharge records at these stations are used in conjunction with the computations of the chemical constituents in this report.

Descriptive statements are given for water-quality stations located at or near streamflow stations. Given are location, drainage area, periods of record for the various water-quality data, extremes of pertinent data, and general remarks, in a format similar to that used for streamflow gaging stations.

Water-quality information is presented for chemical quality, microbiological, and water temperature. Chemical quality includes concentrations of individual dissolved constituents and certain properties or characteristics such as hardness, sodium adsorption ratio, specific conductance, and pH. Microbiological information includes quantitative identification of certain bacteriological indicator organisms. Water-temperature data represent periodic observations except for stations where a continuous temperature recorder furnished information from which daily minimums and maximums are obtained.

Prior to the 1968 water year, data for chemical constituents and concentration of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit (°F). In October 1967 the U.S. Geological Survey began to use the metric system; data for chemical constituents and concentrations of suspended sediment are now reported in milligrams per liter (mg/l) and water temperatures are given in degrees Celsius (centigrade, °C). In waters with a density of 1.000 g/ml (grams per milliliter), parts per million and milligrams per liter can be considered equal. In waters with a density greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per liter. To convert temperatures in degrees Celsius to degrees Fahrenheit, see table 2 below.

In October 1968, the Geological Survey began reporting many of the chemical constituents as well as the minor elements in micrograms per liter instead of milligrams per liter. (See "Definition of Terms, p. 4)

Table 2.--Degrees Celsius (°C) to degrees Fahrenheit (°F)*
(Temperature reported to nearest 0.5°C)

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
0.0	32	10.0	50	20.0	68	30.0	86	40.0	104
.5	33	10.5	51	20.5	69	30.5	87	40.5	105
1.0	34	11.0	52	21.0	70	31.0	88	41.0	106
1.5	35	11.5	53	21.5	71	31.5	89	41.5	107
2.0	36	12.0	54	22.0	72	32.0	90	42.0	108
2.5	36	12.5	54	22.5	72	32.5	90	42.5	108
3.0	37	13.0	55	23.0	73	33.0	91	43.0	109
3.5	38	13.5	56	23.5	74	33.5	92	43.5	110
4.0	39	14.0	57	24.0	75	34.0	93	44.0	111
4.5	40	14.5	58	24.5	76	34.5	94	44.5	112
5.0	41	15.0	59	25.0	77	35.0	95	45.0	113
5.5	42	15.5	60	25.5	78	35.5	96	45.5	114
6.0	43	16.0	61	26.0	79	36.0	97	46.0	115
6.5	44	16.5	62	26.5	80	36.5	98	46.5	116
7.0	45	17.0	63	27.0	81	37.0	99	47.0	117
7.5	45	17.5	63	27.5	81	37.5	99	47.5	117
8.0	46	18.0	64	28.0	82	38.0	100	48.0	118
8.5	47	18.5	65	28.5	83	38.5	101	48.5	119
9.0	48	19.0	66	29.0	84	39.0	102	49.0	120
9.5	49	19.5	67	29.5	85	39.5	103	49.5	121

*C = 5/9 (°F - 32) or °F = 9/5 (°C) + 32.

Solutes

The methods of collecting and analyzing water samples for determining the kinds and concentrations of solutes are described by Brown, Skougstad, and Fishman (1970). One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled at several verticals across the channel to determine accurately the solute load.

At chemical quality stations where monitors are installed, the records consist of daily maximum and minimum values for each constituent measured. More detailed records (hourly values) may be obtained from the district office of the U.S. Geological Survey at the address given on page II of this report.

Temperature

Water temperatures are measured at most of the water-quality stations. Large streams have a small diurnal temperature change while small, shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where continuously recording thermographs are present, the records consist of maximum and minimum temperatures for each day and the monthly averages.

Publications

The annual series of water-supply papers that contain information on quality of surface waters in Mississippi are listed below.

Water years	WSP No.
1963	1947
1964	1954
1965	1961

HYDROLOGIC CONDITIONS

Streamflow for the year was somewhat above the median throughout the State. However, hydrologic conditions may generally be classified as normal with only a few extremes of flow occurring.

Runoff for October, normally the driest month of the year was excessive throughout the State, and especially so in central Mississippi where the monthly mean discharge at the key station, Big Black River near Bovina, was nearly 2800 percent of the median. The excessive flow resulted from the accumulation of unseasonably heavy rainfall occurring in four successive storm periods. Although areas of rather intense rainfall were observed, no significant flooding occurred.

After near-normal flow during December, January, and February, runoff for March again was excessive throughout the State, but again the result of a number of moderate storm periods rather than a single period of excessive rainfall. Consequently, there were no significant floods in the State during the month. The same was true in May when runoff was excessive in the northern and central parts of the State.

On the evening of July 30 heavy precipitation over an area of about 10 square miles in northwest Meridian caused extreme floods on several small streams, the most severe occurring along Gallagher Creek. In parts of that basin as much as 9 inches of rain fell in a 3-hour period. About 500 houses and many streets and bridges were damaged. One death was associated with the flood. Peak discharges along the Gallagher Creek, drainage area 4.66 square miles at its mouth, were in excess of the 50-year flood.

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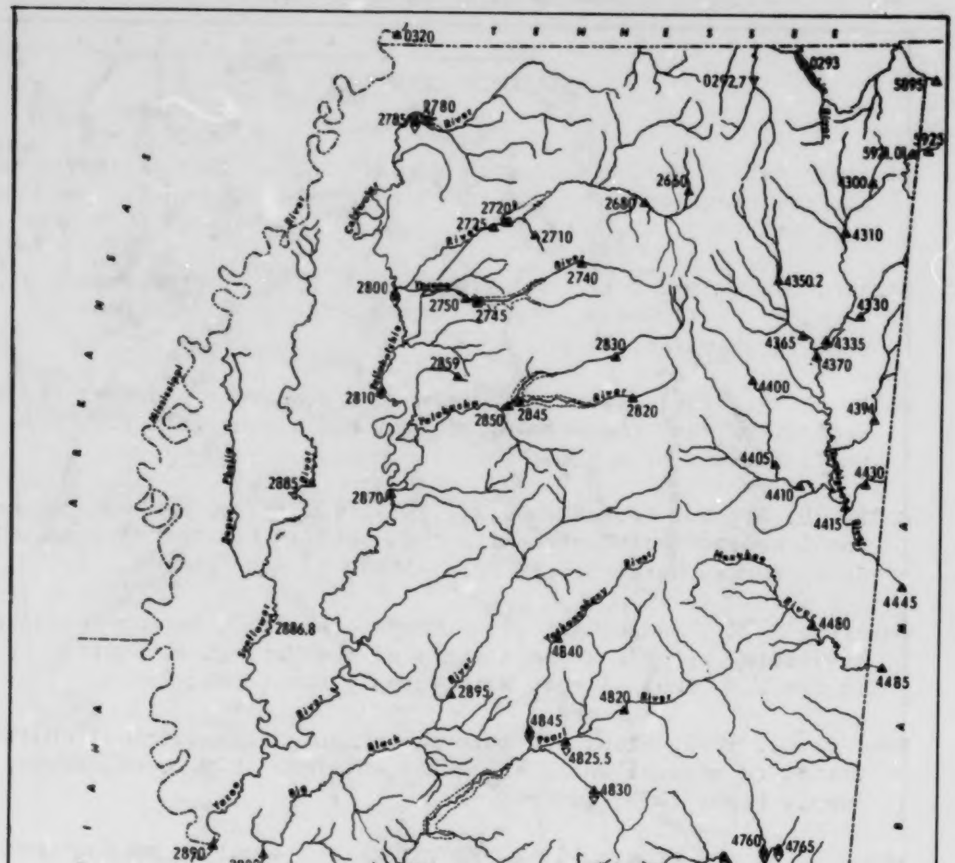
TENNESSEE
ARKANSAS
LOUISIANA
LOUISIANA
ALABAMA
Mississippi Sound
Mississippi River
Yazoo River
Big Black River
Pearl River
Strong River
Leaf River
Homochitto River
Sunflower River
Yalobusha
Tallahatchie
Coldwater
Noxubee River
Yockanookany River
Bogue Phalia
Bogue Chitto
Pascagoula River
Chickasawhay
0320
0293
0292.7
5895
5925
5928.01
4300
4310
4330
4335
4350.2
4365
4370
4394
4400
4405
4410
4415
4430
4445
4480
4485
2660
2680
2710
2720
2725
2740
2745
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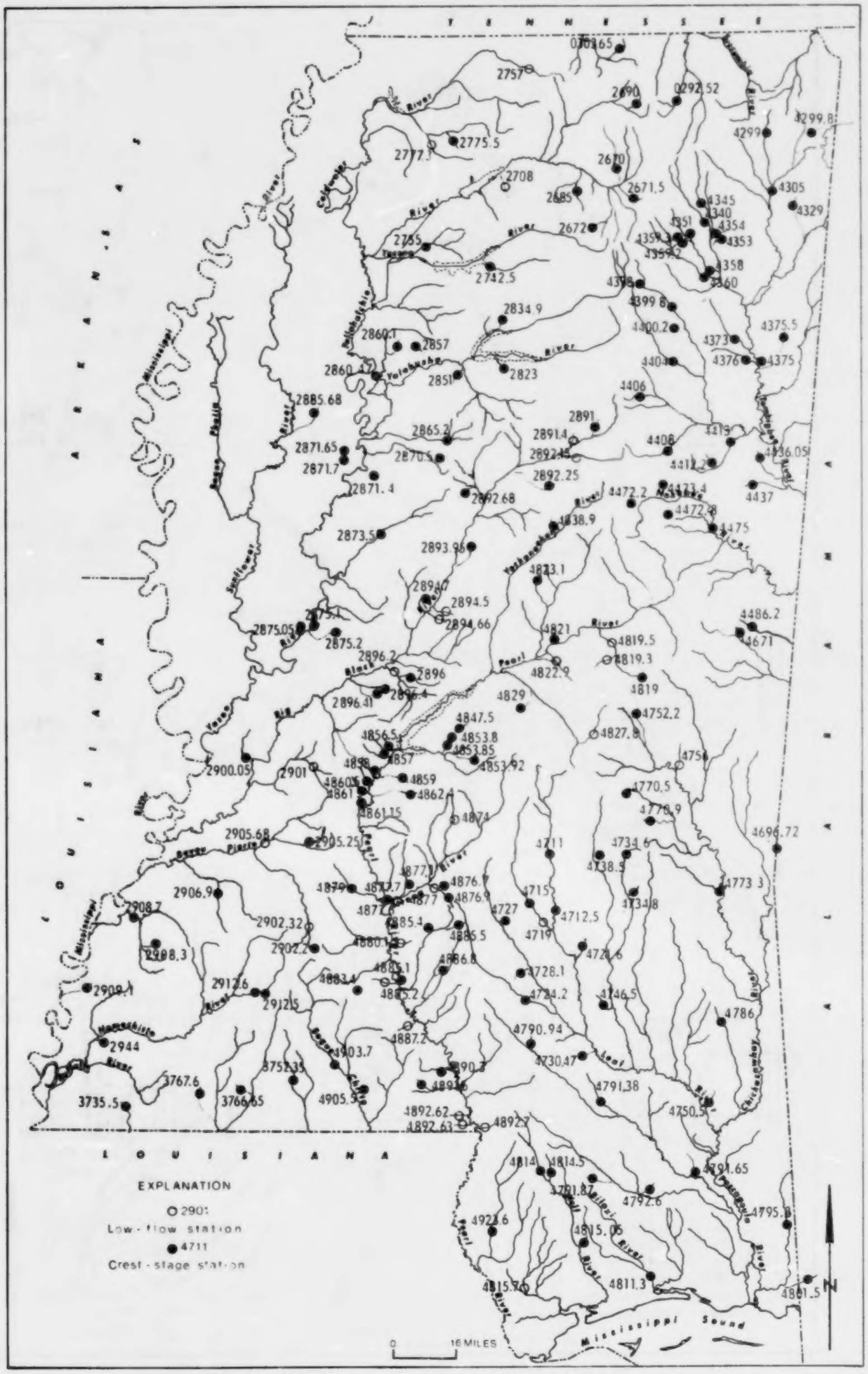
2780
2785
2800
2810
2820
2830
2845
2850
2859
2870
2885
2886.8
2890
2895
2900
2905
2905.1
2906.5
2910
2925
2950
3770
4640
4720
4725
4725.8
4728.5
4730
4732.6
4734.8
4735
4741
4743
4745
4745.4
4745.8
4746
4746.2
4746.7
4750
4755
4757
4760
4765
4766
4770
4773.5
4775
4779.4
4780.3
4785
4790
4790.2
4791
4791.3
4791.55
4791.81
4791.9
4793
4793.3
4795
4795.8
4802.07
4805
4810
4815
4820
4825.5
4830
4845
4860
4865
4870
4875
4885
4887
4890
4895
4905
4909
4925.02
EXPLANATION
▲4860
Streamflow gaging station
■2720
Reservoir or lake gaging station
▽4909
Water quality sampling station
0
16 MILES
N

Figure 1 -- Map showing location of gaging and water - quality sampling stations.


TENNESSEE
ARKANSAS
LOUISIANA
LOUISIANA
ALABAMA
Mississippi Sound
Mississippi River
Yazoo River
Sunflower River
Yalobusha River
Pearl River
Big Black River
Leaf River
Chickasawhay River
Pascagoula River
Tombigbee River
Noxubee River
Homochitto River
Bayou Pierre
EXPLANATION
○ 2901
Low-flow station
● 4711
Crest-stage station
0 16 MILES
N
2757
2690
0292.52
2775.5
2777.3
2708
2670
2671.5
2685
2672
2735
2742.5
4299
4299.8
4305
4329
4345
4340
4351
4354
4353
4358
4360
4398
4399.8
4400.2
4373
4375.5
4376
4375
4404
2834.9
2860.1
2857
2860.4
2851
2823
2885.68
2871.65
2871.7
2871.4
2865.2
2870.5
2891
2891.4
2892.15
2892.25
2892.68
4406
4408
4412.2
4419
4436.05
4437
4472.2
4473.4
4472.8
4475
2873.5
2893.86
4838.9
4823.1
2894.7
2894.5
2894.66
2875.05
2875.1
2875.2
4821
4819.5
4819.3
4822.9
4819
4486.2
4671
2896.2
2896
2896.41
2896.4
4829
4752.2
4847.5
4853.8
4853.85
4853.92
4856.5
4857
4858
4827.8
4756
2900.05
2901
4860.5
4861
4859
4862.4
4861.15
4770.5
4770.9
4874
2905.68
2905.25
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4734.6
4738.5
4696.72
2906.9
4877.1
4876.7
4876.9
4879
4877.7
4877
4715
4727
4712.5
4719
4773.3
4734.8
2908.7
2908.3
2902.32
2902.2
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4880
4885.5
4886.8
4721.6
4728.1
2909.1
2912.6
2912.5
4883.4
4885.1
4885.2
4724.2
4746.5
4786
2944
4887.2
4790.94
4730.47
3767.6
3752.35
4903.7
4890.3
4891.6
4791.38
3735.5
3766.55
4905.5
4892.62
4892.63
4892.7
4750.5
4814
4814.5
4791.87
4792.6
4791.65
4923.6
4815.05
4795.8
4815.7
4811.3
4801.5

Figure 2.--Map showing location of partial-record stations

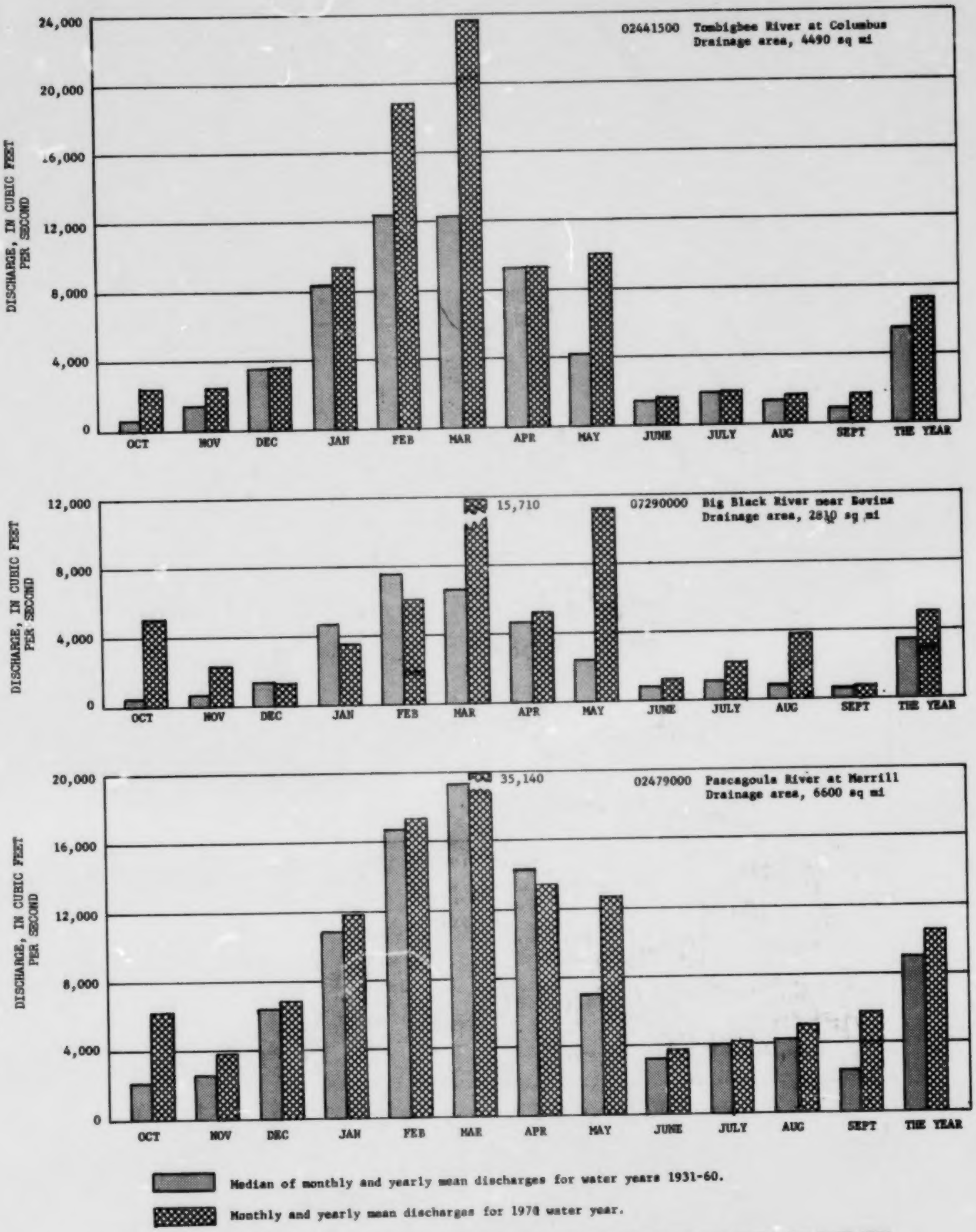

FIGURE 3.--COMPARISON OF DISCHARGE AT THREE LONG-TERM REPRESENTATIVE GAGING STATIONS DURING 1971 WATER YEAR WITH MEDIAN DISCHARGE FOR PERIOD 1931-60.

PART 1. SURFACE WATER RECORDS

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EASTERN GULF OF MEXICO BASINS

MOBILE RIVER BASIN

02430000 Mackeys Creek near Dennis, Miss.

LOCATION.--Lat 34°31'34", long 88°19'22", in NE¼SW¼ sec.26, T.6 S., R.9 E., Chickasaw meridian, Tishomingo County, on left bank at downstream side of old crossing 0.1 mile downstream from bridge on State Highway 4 at Narrows dam site, 6 miles southwest of Dennis, and 10 miles upstream from confluence with Browns Creek.

DRAINAGE AREA.--66 sq mi, approximately.

PERIOD OF RECORD.--October 1937 to current year. Prior to January 1944, monthly discharge only, published in WSP 1304. Prior to October 1966, published as Mackys Creek near Dennis.

GAGE.--Water-stage recorder. Datum of gage is 333.47 ft above mean sea level (levels by Corps of Engineers). Prior to Oct. 15, 1948, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--34 years, 101 cfs (20.78 inches per year).

EXTREMES.--Current year: Maximum discharge, 3,100 cfs Feb. 22 (gage height, 17.89 ft); minimum, 13 cfs July 23 (gage height, 1.87 ft).
Period of record: Maximum discharge, 16,300 cfs Mar. 21, 1955 (gage height, 28.44 ft), from rating curve extended above 4,200 cfs on basis of slope-area measurement of peak flow; minimum since Jan. 1, 1944, 8.2 cfs Sept. 3, 4, 5, 1954.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1504: 1939-40(M), 1944-46(M), 1948, 1949(P), 1950(M), 1951.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	42	40	92	84	161	100	93	55	30	50	58
2	21	38	38	78	80	138	175	81	52	25	64	64
3	21	37	38	73	75	119	127	76	50	22	51	92
4	19	36	37	107	80	113	106	71	51	21	42	77
5	18	36	35	128	150	101	98	68	51	21	38	49
6	20	36	35	107	140	96	93	73	49	21	46	43
7	21	35	34	74	130	116	90	105	46	36	81	43
8	32	34	34	70	125	101	86	75	45	33	43	41
9	51	84	34	71	100	89	82	65	47	42	36	38
10	60	142	35	70	90	113	81	61	46	31	35	36
11	39	76	37	73	100	208	78	149	42	24	57	34
12	157	52	64	70	150	116	76	358	41	24	428	35
13	124	43	56	67	190	125	74	685	40	24	227	34
14	87	74	40	163	150	219	72	276	38	22	83	31
15	56	81	37	209	100	146	70	136	36	19	67	30
16	42	61	80	104	90	160	69	113	37	21	53	31
17	36	49	78	90	84	113	68	98	38	22	47	43
18	33	64	64	86	81	99	67	87	35	18	45	41
19	34	70	57	77	98	120	67	81	33	17	43	36
20	47	57	67	70	357	121	66	77	34	18	41	37
21	50	49	93	74	247	97	120	71	34	19	40	43
22	40	42	87	122	1,790	92	113	66	37	16	43	40
23	35	41	344	404	1,700	94	735	64	36	15	58	36
24	52	37	183	575	391	86	540	61	32	50	44	37
25	74	37	101	836	177	104	140	73	31	143	42	36
26	45	38	83	239	146	350	110	62	27	114	40	35
27	41	40	76	136	548	145	98	65	25	164	41	40
28	40	40	73	115	362	117	93	92	30	89	40	41
29	148	41	77	105	------	203	84	69	29	89	36	36
30	107	40	77	100	------	169	92	64	27	89	34	35
31	61	------	93	94	------	120	------	56	------	83	37	------
TOTAL	1,633	1,552	2,227	4,679	7,815	4,151	3,870	3,571	1,174	1,362	2,032	1,272
MEAN	52.7	51.7	71.8	151	279	134	129	115	39.1	43.9	65.5	42.4
MAX	157	142	344	836	1,790	350	735	685	55	164	428	92
MIN	18	34	34	67	75	86	66	56	25	15	34	30
CFSM	.80	.78	1.09	2.29	4.23	2.03	1.95	1.74	.59	.67	.99	.64
IN.	.92	.87	1.26	2.64	4.40	2.34	2.18	2.01	.66	.77	1.15	.72

CAL YR 1970	TOTAL 39,012	MEAN 107	MAX 1,590	MIN 17	CFSM 1.62	IN 21.99
WTR YR 1971	TOTAL 35,338	MEAN 96.8	MAX 1,790	MIN 15	CFSM 1.47	IN 19.92

PEAK DISCHARGE (BASE, 1,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-22	2130	17.89	3,100				

02431000 Tombigbee River near Fulton, Miss.

LOCATION.--Lat 34°15'55", long 88°26'42", in SE¼ sec.27, T.9 S., R.8 E., Chickasaw meridian, Itawamba County, on left bank at downstream side of bridge on U.S. Highway 78, 1,000 ft downstream from Twentymile-Fulton Canal, 2.2 miles west of Fulton, 6.2 miles upstream from Mantachie Creek Canal, 13.5 miles downstream from Twentymile Creek Canal, and at mile 421.8.

DRAINAGE AREA.--605 sq mi.

PERIOD OF RECORD.--August 1928 to current year. Gage-height records collected at site 800 ft upstream 1909-12 are contained in reports on U.S. Weather Bureau. Prior to October 1966, published as East Fork Tombigbee River near Fulton.

GAGE.--Water-stage recorder. Datum of gage is 242.93 ft above mean sea level. Prior to Oct. 27, 1934, nonrecording gage at bridge 200 ft upstream, and Oct. 27, 1934, to Aug. 22, 1939, nonrecording gage at present site, all at present datum.

AVERAGE DISCHARGE.--43 years, 898 cfs (20.16 inches per year).

EXTREMES.--Current year: Maximum discharge, 19,100 cfs Feb. 22 (gage height, 18.44 ft); minimum, 48 cfs Oct. 3 (gage height, 4.15 ft).

Period of record: Maximum discharge, 82,200 cfs Mar. 22, 1955 (gage height, 25.75 ft), from rating curve extended above 31,000 cfs on basis of estimate of flow made by indirect methods and by logarithmic plotting; minimum, 12 cfs Aug. 31 to Sept. 2, 1943; minimum gage height, 0.87 ft Aug. 12, 1930.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1002: Drainage area. WSP 1032: 1944.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	359	232	757	975	3,700	1,710	909	348	99	439	165
2	62	333	225	649	834	2,340	1,920	814	330	103	516	312
3	55	303	218	574	748	1,780	2,150	717	289	92	472	278
4	52	265	211	775	722	1,470	1,800	639	291	83	394	246
5	52	237	203	1,420	1,100	1,210	1,520	577	236	77	242	240
6	57	211	202	1,340	1,330	1,080	1,230	537	208	75	186	206
7	60	193	193	975	1,210	1,070	1,050	614	203	71	719	201
8	65	181	190	768	1,160	1,060	920	597	207	131	822	214
9	75	237	201	660	1,080	982	831	541	596	98	489	154
10	90	831	201	596	904	1,070	764	502	533	90	336	136
11	107	600	207	559	801	1,610	705	615	261	88	432	126
12	460	432	242	524	867	1,610	663	1,010	201	72	577	130
13	1,070	383	260	491	1,600	1,620	628	4,660	168	63	713	145
14	888	441	263	566	1,850	2,100	590	7,080	148	63	635	121
15	471	602	235	1,420	1,540	1,990	554	4,480	141	60	736	104
16	351	483	275	1,560	1,300	2,090	531	2,500	244	60	730	100
17	279	407	482	1,340	1,110	1,770	513	1,670	252	62	496	130
18	214	414	373	1,190	951	1,430	489	1,210	196	68	314	169
19	168	449	305	1,010	839	1,300	470	913	161	60	222	152
20	155	490	372	784	1,450	1,310	444	729	165	63	178	131
21	163	448	489	631	4,180	1,180	645	596	226	57	154	144
22	179	383	549	646	16,900	1,100	884	495	209	55	154	162
23	182	344	1,010	1,830	15,000	1,050	1,100	419	156	54	220	132
24	211	309	1,500	6,250	8,200	961	6,370	374	139	77	194	121
25	228	278	1,570	11,400	4,480	1,060	6,000	352	125	519	169	152
26	260	262	1,550	7,720	3,220	2,910	3,430	373	113	919	147	144
27	228	254	1,450	5,250	6,370	3,150	1,930	376	128	703	142	154
28	190	251	1,160	3,030	5,110	2,420	1,390	906	108	601	166	214
29	359	250	878	1,910	------	2,390	1,050	808	99	520	114	144
30	512	237	716	1,480	------	2,630	920	549	94	485	108	132
31	414	------	684	1,180	------	1,990	------	428	------	611	102	------
TOTAL	7,720	10,867	16,646	59,285	85,831	53,433	43,201	36,990	6,575	6,179	11,318	4,959
MEAN	249	362	537	1,912	3,065	1,724	1,440	1,193	219	199	365	165
MAX	1,070	831	1,570	11,400	16,900	3,700	6,370	7,080	596	919	822	312
MIN	52	181	190	491	722	961	444	352	94	54	102	100
CFSM	.41	.60	.89	3.16	5.07	2.85	2.38	1.97	.36	.33	.60	.27
IN.	.47	.67	1.02	3.65	5.28	3.29	2.66	2.27	.40	.38	.70	.30

CAL YR 1970 TOTAL 360,949 MEAN 989 MAX 12,800 MIN 38 CFSM 1.63 IN 22.19
WTR YR 1971 TOTAL 343,004 MEAN 940 MAX 16,900 MIN 52 CFSM 1.55 IN 21.09

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-25	0800	17.52	12,600	5-13	2200	16.95	8,800
2-22	1500	18.44	19,100				

02433000 Bull Mountain Creek near Smithville, Miss.

LOCATION.--Lat 34°05'18", long 88°23'26", in SW¼SE¼ sec.30, T.11 S., R.9 E., Chickasaw meridian, Itawamba County, on right bank at downstream side of old crossing 200 ft upstream from bridge on State Highway 25, 0.8 mile upstream from Mississippian Railway bridge, 1.1 miles north of Smithville, and 3.5 miles upstream from mouth.

DRAINAGE AREA.--335 sq mi.

PERIOD OF RECORD.--October 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 234.81 ft above mean sea level (levels by Corps of Engineers). Prior to Oct. 15, 1948, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--31 years, 535 cfs (21.69 inches per year).

EXTREMES.--Current year: Maximum discharge, 12,300 cfs Feb. 23 (gage height, 13.57 ft); minimum, 50 cfs July 18; minimum gage height, 2.10 ft Oct. 7-8.

Period of record: Maximum discharge, 40,000 cfs Mar. 22, 1955 (gage height, 17.18 ft), from rating curve extended above 17,000 cfs; minimum, 19 cfs Aug. 28 to Sept. 3, 1943 (period of doubtful gage-height record), Sept. 10, 13, 14, 15, 1954.

Flood in December 1926 reached a stage of 15.7 ft, from floodmark (discharge, about 29,000 cfs), from information by Corps of Engineers.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1948.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	376	220	556	610	2,840	1,660	678	210	123	387	97
2	62	279	210	528	516	2,070	1,500	590	190	137	310	111
3	59	237	185	452	472	1,600	1,550	469	180	129	348	159
4	57	219	182	615	478	1,300	1,790	412	180	96	231	242
5	56	202	174	896	1,050	1,090	1,400	376	160	84	184	225
6	54	191	166	889	1,150	902	972	336	140	78	166	156
7	52	173	161	631	1,170	867	809	334	136	73	218	143
8	53	161	160	519	825	844	706	425	140	71	249	144
9	61	158	160	469	658	712	628	336	131	69	444	137
10	81	175	158	446	549	666	570	298	130	65	305	124
11	119	226	158	437	489	718	526	450	119	62	400	112
12	200	216	174	437	503	745	496	1,110	116	61	671	125
13	450	187	216	406	600	828	458	1,970	105	57	870	103
14	446	184	232	382	650	932	423	3,630	97	54	597	103
15	265	234	194	372	535	1,070	404	2,950	93	53	353	92
16	193	330	202	528	494	959	396	1,950	119	60	266	86
17	146	242	246	446	476	822	390	1,160	200	53	215	128
18	127	232	264	378	461	683	384	718	185	50	187	124
19	121	278	228	353	444	908	330	546	129	59	167	150
20	132	372	242	323	769	915	314	465	113	61	337	128
21	172	608	570	296	1,480	812	450	398	103	61	207	119
22	263	505	763	298	3,880	712	600	357	99	54	215	122
23	184	366	678	742	10,100	787	700	325	94	53	282	125
24	279	307	816	1,480	5,030	730	1,500	290	95	55	252	131
25	626	266	883	2,690	2,690	1,020	1,300	250	93	163	204	369
26	590	243	644	4,850	2,820	1,750	1,130	260	87	502	151	221
27	312	234	491	3,650	2,770	2,070	658	260	85	571	129	178
28	232	232	418	2,260	3,020	2,380	530	450	144	464	120	151
29	351	229	433	1,300	------	2,130	463	400	108	424	117	146
30	734	225	498	870	------	1,690	537	300	98	281	107	129
31	675	------	535	727	------	1,860	------	250	------	400	97	------
TOTAL	7,218	7,887	10,661	29,226	44,689	37,412	23,574	22,743	3,879	4,523	8,786	4,380
MEAN	233	263	344	943	1,596	1,207	786	734	129	146	283	146
MAX	734	608	883	4,850	10,100	2,840	1,790	3,630	210	571	870	369
MIN	52	158	158	296	444	666	314	250	85	50	97	86
CFSM	.70	.79	1.03	2.81	4.76	3.60	2.35	2.19	.39	.44	.84	.44
IN.	.80	.88	1.18	3.25	4.96	4.15	2.62	2.53	.43	.50	.98	.49

CAL YR 1970 TOTAL 219,319 MEAN 601 MAX 10,300 MIN 52 CFSM 1.79 IN 24.35
WTR YR 1971 TOTAL 204,978 MEAN 562 MAX 10,100 MIN 50 CFSM 1.68 IN 22.76

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-26	1830	11.72	5,080	2-23	0530	13.57	12,300

02433500 Tombigbee River at Bigbee, Miss.

LOCATION.--Lat 34°00'40", long 88°30'50", in SW¼NE¼ sec.25, T.12 S., R.7 E., Chickasaw meridian, Monroe County, near right bank on downstream side of bridge on State Highway 6, 0.2 mile upstream from St. Louis-San Francisco Railway bridge, 0.5 mile southeast of Bigbee, 2 miles northwest of Amory, and 3.7 miles upstream from Town Creek (formerly West Fork Tombigbee River).

DRAINAGE AREA.--1,194 sq mi.

PERIOD OF RECORD.--October 1944 to September 1954, October 1963 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1966, published as East Fork Tombigbee River at Bigbee.

GAGE.--Water-stage recorder. Datum of gage is 190.00 ft above mean sea level (levels by Corps of Engineers). Prior to Sept. 9, 1949, nonrecording gage at same site and datum. Water-stage recorder for Tombigbee River near Amory (sta 02437000), 4.0 miles downstream, used as an auxiliary gage for this station.

AVERAGE DISCHARGE.--18 years (1944-54, 1963-71), 1,971 cfs (22.42 inches per year).

EXTREMES.--Current year: Maximum discharge, 28,600 cfs Feb. 24 (gage height, 20.04 ft); minimum, 90 cfs Oct. 6 (gage height, 1.39 ft).
Period of record: Maximum discharge, 52,800 cfs Feb. 15, 1948 (gage height, 24.92 ft, from graph based on gage readings); minimum, 29 cfs Sept. 15, 1954.

REMARKS.--Records good. Records of chemical analyses and water temperatures for the current year are published in Part 2 of this report.

COOPERATION.--Gage-height record and 8 discharge measurements furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1504: 1946, 1948.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	156	985	534	1,680	3,180	9,080	5,240	2,530	768	276	1,100	262
2	133	760	515	1,520	2,480	8,060	5,360	2,080	696	268	985	293
3	123	669	505	1,340	1,980	6,790	4,660	1,670	657	284	960	464
4	113	615	483	1,410	1,640	5,230	4,510	1,390	600	248	815	512
5	101	561	473	2,370	2,240	4,120	4,290	1,220	593	215	665	531
6	91	524	452	2,210	2,630	3,370	3,600	1,120	502	197	502	446
7	97	476	446	2,040	2,710	2,910	3,050	1,130	455	186	440	393
8	108	446	434	1,860	2,490	2,600	2,600	1,250	452	177	931	369
9	134	437	419	1,590	2,180	2,340	2,190	1,150	434	203	1,250	392
10	156	568	431	1,350	1,960	2,310	1,870	1,010	665	208	975	332
11	192	985	446	1,240	1,760	1,960	1,630	1,140	700	185	1,080	297
12	129	935	433	1,190	1,750	2,390	1,470	1,840	476	177	1,210	334
13	1,070	740	544	1,110	1,730	2,570	1,380	4,590	393	167	1,450	270
14	1,610	704	582	1,050	2,210	3,300	1,290	4,720	349	150	1,440	266
15	1,260	830	572	1,150	2,140	3,210	1,220	7,370	315	140	1,070	252
16	850	990	565	1,600	2,210	3,430	1,150	8,700	434	141	1,010	246
17	604	845	627	1,760	2,220	3,390	1,120	6,670	541	145	940	295
18	480	772	796	1,740	2,120	3,170	1,080	4,610	554	134	716	318
19	410	840	716	1,720	1,950	3,410	1,040	3,210	431	138	534	322
20	366	1,000	716	1,550	2,210	3,230	990	2,510	351	161	736	327
21	361	1,170	1,380	1,360	3,760	2,940	1,180	2,400	330	152	568	293
22	419	1,150	1,570	1,090	9,330	2,570	1,600	1,290	351	140	724	286
23	440	900	1,360	1,920	17,300	2,600	1,850	1,070	356	130	875	299
24	572	772	1,920	3,720	26,500	2,440	2,300	925	301	136	805	299
25	880	684	2,320	5,800	20,300	2,540	2,870	830	299	706	558	382
26	1,000	634	2,120	9,560	13,100	4,970	4,120	752	258	1,470	425	416
27	740	604	1,950	14,100	11,100	4,590	5,480	760	270	1,900	349	342
28	561	586	1,950	12,200	9,470	5,160	4,270	1,340	437	1,380	310	322
29	724	575	2,010	7,730	------	6,620	3,240	1,360	366	1,230	318	356
30	1,210	558	2,000	5,450	------	6,320	2,870	1,250	295	925	286	310
31	1,350	------	1,900	3,970	------	5,700	------	965	------	935	264	------
TOTAL	16,440	22,315	31,169	98,380	154,650	123,320	79,520	72,852	13,629	12,904	24,291	10,216
MEAN	530	744	1,005	3,174	5,523	3,978	2,651	2,350	454	416	784	341
MAX	1,610	1,170	2,320	14,100	26,500	9,080	5,480	8,700	768	1,900	1,450	531
MIN	91	437	419	1,050	1,640	1,960	990	752	258	130	264	246
CFSM	.44	.62	.84	2.66	4.63	3.33	2.22	1.97	.38	.35	.66	.29
IN.	.51	.70	.97	3.07	4.82	3.84	2.48	2.27	.42	.40	.76	.32

CAL YR 1970 TOTAL 813,460 MEAN 2,229 MAX 45,500 MIN 77 CFSM 1.87 IN 25.34
WTR YR 1971 TOTAL 659,686 MEAN 1,807 MAX 26,500 MIN 91 CFSM 1.51 IN 20.55

PEAK DISCHARGE (BASE, 12,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-27	1600	16.22	14,600	2-24	0700	20.04	28,600

02435020 Town Creek at Eason Boulevard at Tupelo, Miss.

LOCATION.--Lat 34°14'08", long 88°41'43", on line between secs.5 and 8, T.10 S., R.6 E., Chickasaw meridian, Lee County, on bank at downstream side of bridge on Eason Boulevard in Tupelo, 400 ft upstream from Kings Creek, 0.2 mile downstream from Mud Creek; 0.4 mile downstream from St. Louis and San Francisco Railroad, and 2.0 miles upstream from Tulip Creek.

DRAINAGE AREA.--230 sq mi.

PERIOD OF RECORD.--October 1970 to September 1971.

GAGE.--Water-stage recorder. Datum of gage is 230.00 ft above mean sea level.

EXTREMES.--Current year: Maximum discharge, 14,800 cfs Feb. 22 (gage height, 25.09 ft); minimum, 2.3 cfs Oct. 4-5 (gage height, 2.72 ft).

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	42	31	298	138	391	451	183	44	5.7	97	424
2	2.6	38	31	158	127	351	1,550	127	171	5.6	166	122
3	2.6	33	31	131	128	285	443	126	60	5.2	128	99
4	2.4	30	29	1,210	163	222	309	109	39	5.3	114	70
5	2.4	28	28	660	872	187	246	99	28	5.2	52	43
6	2.6	26	28	216	310	237	198	151	25	4.8	36	32
7	4.3	25	27	137	192	423	176	133	31	3.9	466	28
8	3.3	24	26	121	167	195	148	96	39	4.1	96	27
9	11	200	28	118	151	152	133	73	48	4.4	51	27
10	5.0	300	28	118	131	1,810	122	68	60	4.6	62	29
11	12	100	32	115	160	750	123	105	72	3.8	679	33
12	5,230	60	47	115	1,430	365	123	1,490	53	3.8	152	26
13	2,310	50	45	115	1,680	2,260	124	7,240	17	3.6	55	36
14	228	200	38	700	407	973	118	1,240	17	3.7	34	27
15	96	120	38	1,400	297	876	115	389	19	3.5	34	23
16	59	70	138	293	230	440	115	246	44	20	31	18
17	40	50	134	196	185	268	110	173	62	5.0	23	20
18	32	115	80	149	156	227	106	141	20	4.1	22	15
19	29	142	65	120	600	782	103	128	18	4.8	22	12
20	31	120	417	115	2,580	341	98	130	19	3.3	22	11
21	28	93	523	115	7,300	226	570	130	17	3.3	51	10
22	23	67	403	283	12,700	211	270	129	16	3.3	93	13
23	20	55	6,170	3,730	1,820	251	3,040	107	14	32	70	8.5
24	58	41	1,330	8,280	568	179	1,770	101	12	120	28	7.4
25	80	35	379	6,740	435	2,380	366	123	13	3,400	23	6.5
26	37	34	215	794	3,540	2,830	241	123	13	955	23	19
27	25	35	155	421	1,940	511	185	217	43	124	19	27
28	22	34	136	304	529	389	153	346	19	100	22	24
29	289	33	271	249	------	1,910	129	112	7.8	288	20	12
30	151	31	199	227	------	554	188	67	6.3	585	19	9.1
31	68	------	505	182	------	348	------	48	------	199	22	------
TOTAL	8,906.8	2,231	11,607	27,810	38,936	21,324	11,823	13,950	1,047.1	5,914.0	2,732	1,258.5
MEAN	287	74.4	374	897	1,391	688	394	450	34.9	191	88.1	42.0
MAX	5,230	300	6,170	8,280	12,700	2,830	3,040	7,240	171	3,400	679	424
MIN	2.4	24	26	115	127	152	98	48	6.3	3.3	19	6.5
CFSM	1.25	.32	1.63	3.90	6.05	2.99	1.71	1.96	.15	.83	.38	.18
IN.	1.44	.36	1.88	4.50	6.30	3.45	1.91	2.26	.17	.96	.44	.20

CAL YR 1970 TOTAL ------ MEAN --- MAX ------ MIN --- CFSM ----- IN ------
WTR YR 1971 TOTAL 147,539.40 MEAN 404 MAX 12,700 MIN 2.4 CFSM 1.76 IN 23.86

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-23	0830	21.65	8,240	2-22	0700	25.09	14,800
1-24	1845	23.64	11,700	5-13	0830	22.39	9,420

02436500 Town Creek near Nettleton, Miss.
(Formerly published as West Fork Tombigbee River near Nettleton)

LOCATION.--Lat 34°03'32", long 88°37'40", in NW¼ sec.12, T.12 S., R.6 E., Chickasaw meridian, Monroe County, on right bank at downstream side of bridge on U.S. Highway 45, 1.9 miles downstream from Tallabinnela Creek, 2 miles downstream from Tubbalubba Creek, and 2.1 miles south of Nettleton.

DRAINAGE AREA.--617 sq mi.

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 194.01 ft above mean sea level (Corps of Engineers bench mark). Prior to Oct. 1, 1947, at datum 10.00 ft higher.

AVERAGE DISCHARGE.--32 years, 904 cfs (19.85 inches per year).

EXTREMES.--Current year: Maximum discharge, 25,300 cfs Feb. 21 (gage height, 28.41 ft); minimum, 12 cfs Oct. 5; minimum gage height, 5.27 ft July 18-19.
Period of record: Maximum discharge, 151,000 cfs Mar. 22, 1955 (gage height, 33.88 ft); minimum, 0.8 cfs Sept. 14, 15, 1942.
Maximum stage known since at least 1892, that of Mar. 22, 1955. Flood of Dec. 24, 1926, reached a stage of 32.5 ft, present datum, from floodmark.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1948.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	197	125	981	495	1,260	1,160	676	134	57	322	363
2	16	166	148	665	425	1,220	3,890	394	316	57	573	183
3	15	146	126	531	422	1,120	1,410	308	184	45	280	131
4	14	132	116	2,130	508	765	969	257	143	40	258	82
5	12	122	106	1,680	2,190	634	783	232	113	38	143	54
6	13	114	103	720	941	640	640	232	107	36	123	49
7	16	108	97	515	598	1,020	565	537	110	31	666	64
8	32	100	95	452	503	586	507	273	95	28	308	53
9	45	1,060	95	439	433	474	459	195	88	28	193	40
10	45	1,310	98	431	358	2,340	419	183	110	25	387	33
11	36	383	102	468	424	1,950	380	403	80	22	772	30
12	9,820	247	138	418	2,270	1,160	353	2,790	72	18	323	27
13	6,270	199	131	386	3,120	4,280	329	9,970	68	19	118	25
14	974	997	111	461	1,060	2,890	295	3,840	75	18	78	25
15	360	692	106	1,760	757	1,880	277	1,160	69	18	73	24
16	215	293	278	644	638	1,260	263	782	185	24	62	27
17	144	217	300	454	538	801	260	579	138	24	52	56
18	111	785	182	396	479	702	243	453	82	18	45	40
19	100	570	152	338	933	2,210	231	369	138	31	42	30
20	126	995	864	295	4,190	1,060	215	314	85	29	39	32
21	96	382	2,510	295	14,100	697	1,470	262	69	21	37	47
22	79	249	944	517	20,600	1,000	957	219	59	18	137	41
23	68	206	5,670	5,340	9,460	1,110	3,670	200	50	25	219	33
24	634	170	3,540	14,100	2,760	633	3,230	178	88	197	78	31
25	354	157	1,130	12,900	2,010	5,020	915	191	60	3,710	52	29
26	152	149	728	4,040	8,680	7,150	632	181	72	3,110	44	26
27	108	142	555	1,660	6,190	1,840	498	160	145	640	40	234
28	93	134	496	1,210	1,940	1,170	430	800	144	343	41	71
29	1,920	128	1,210	901	-------	5,390	339	247	71	710	35	45
30	634	124	929	817	-------	2,150	1,040	167	59	797	41	37
31	277	-------	1,650	665	-------	1,170	-------	144	-------	637	35	-------
TOTAL	22,795	10,674	22,835	56,609	87,022	55,582	26,829	26,696	3,209	10,814	5,616	1,962
MEAN	735	356	737	1,826	3,108	1,793	894	861	107	349	181	65.4
MAX	9,820	1,310	5,670	14,100	20,600	7,150	3,890	9,970	316	3,710	772	363
MIN	12	100	95	295	358	474	215	144	50	18	35	24
CFSM	1.19	.58	1.19	2.96	5.04	2.91	1.45	1.40	.17	.57	.29	.11
IN.	1.37	.64	1.38	3.41	5.25	3.35	1.62	1.61	.19	.65	.34	.12

CAL YR 1970 TOTAL 370,338 MEAN 1,015 MAX 18,000 MIN 12 CFSM 1.65 IN 22.33
WTR YR 1971 TOTAL 330,643 MEAN 906 MAX 20,600 MIN 12 CFSM 1.47 IN 19.94

PEAK DISCHARGE (BASE, 15,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-24	1515	27.45	19,600	2-21	1915	28.41	25,300

02437000 Tombigbee River near Amory, Miss.

LOCATION.--Lat 33°59'10", long 88°33'05", in NW¼NE¼ sec.3, T.13 S., R.7 E., Chickasaw meridian, Monroe County, near right bank on downstream side of bridge on U.S. Highway 278, 0.3 mile downstream from Town Creek (formerly West Fork Tombigbee River), 3.5 miles west of Amory, and at mile 378.9.

DRAINAGE AREA.--1,941 sq mi.

PERIOD OF RECORD.--October 1937 to current year. Monthly discharge only for October and November 1937, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 178.34 ft above mean sea level (levels by Corps of Engineers). Prior to Oct. 10, 1939, nonrecording gage at site 1,500 ft upstream at same datum. Oct. 10, 1939, to Oct. 16, 1948, nonrecording gage at present site and datum. Water-stage recorder for station at Aberdeen (sta 02437500), 20 miles downstream, was used as an auxiliary gage for this station 1950-58.

AVERAGE DISCHARGE.--34 years, 2,945 cfs (20.60 inches per year).

EXTREMES.--Current year: Maximum discharge, 27,800 cfs Feb. 22 (gage height, 26.00 ft); minimum, 136 cfs Oct. 6; minimum gage height, 3.80 ft July 23, 24.

Period of record: Maximum discharge, 126,000 cfs Mar. 22, 1955; maximum gage height, 34.47 ft Mar. 23, 1955; minimum discharge, 45 cfs Sept. 20, 1954; minimum gage height, 0.77 ft Sept. 1, 1943.

REMARKS.--Records good.

COOPERATION.--Gage-height record and 7 discharge measurements furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1504: 1948.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	193	1,510	804	2,990	4,110	12,000	6,240	3,680	1,030	376	1,640	505
2	172	1,180	826	2,390	3,320	10,300	8,890	2,840	1,080	357	1,870	602
3	165	1,040	804	2,040	2,760	8,900	7,170	2,270	986	357	1,420	622
4	161	940	760	4,250	2,440	7,020	5,670	1,860	839	314	1,290	634
5	148	866	730	4,450	4,650	5,600	5,200	1,610	760	272	963	626
6	138	817	700	3,120	4,000	4,590	4,490	1,450	683	244	730	515
7	144	760	671	2,740	3,480	4,330	3,810	1,660	630	233	1,050	471
8	165	713	642	2,460	3,220	3,610	3,330	1,660	606	214	1,430	430
9	203	1,490	630	2,200	2,900	3,190	2,880	1,460	606	226	1,590	424
10	242	2,470	634	1,940	2,590	4,220	2,520	1,260	835	236	1,500	357
11	244	1,670	654	1,860	2,450	5,090	2,230	1,660	932	211	1,780	311
12	5,530	1,450	734	1,750	3,350	3,670	2,020	4,130	642	199	1,770	345
13	9,580	1,160	804	1,640	6,270	6,060	1,870	12,000	529	185	1,720	277
14	4,850	1,940	813	1,550	3,790	8,080	1,730	12,200	478	165	1,740	270
15	2,140	2,050	786	3,190	3,110	5,730	1,620	8,600	444	154	1,280	262
16	1,450	1,580	923	2,470	3,020	5,220	1,530	9,440	658	154	1,150	249
17	1,070	1,280	1,120	2,370	2,950	4,310	1,460	7,700	804	176	1,090	322
18	888	1,830	1,140	2,310	2,820	3,910	1,420	5,510	742	152	857	372
19	795	1,810	1,010	2,220	2,750	5,590	1,330	4,150	646	158	626	348
20	786	2,420	1,570	2,060	6,800	4,950	1,270	3,230	508	182	782	354
21	760	1,920	4,410	1,790	9,260	3,840	2,420	2,480	440	169	675	339
22	791	1,710	2,890	1,610	24,900	3,640	2,940	1,850	450	158	852	330
23	773	1,350	6,580	6,120	27,200	4,380	4,010	1,530	440	140	1,160	330
24	1,760	1,120	7,450	10,800	26,000	3,360	6,750	1,320	411	228	1,030	333
25	1,770	986	4,060	18,800	17,900	4,810	4,080	1,190	376	2,800	662	401
26	1,520	914	3,210	17,000	19,200	13,800	4,460	1,130	357	6,420	501	454
27	1,140	883	2,820	14,600	21,900	9,260	5,480	1,060	360	3,070	414	557
28	910	866	2,640	13,300	14,800	6,480	4,880	2,320	667	2,050	372	404
29	3,080	844	3,460	9,890	------	10,500	3,830	1,860	512	2,080	360	398
30	2,440	822	3,240	7,080	------	10,500	3,850	1,600	392	1,760	336	336
31	2,000	------	3,920	5,380	------	7,120	------	1,250	------	1,960	311	------
TOTAL	46,008	40,391	61,435	156,370	231,940	194,040	109,380	105,960	18,843	25,400	32,951	12,178
MEAN	1,484	1,346	1,982	5,044	8,284	6,259	3,646	3,418	628	819	1,063	406
MAX	9,580	2,470	7,450	18,800	27,200	13,800	8,890	12,200	1,080	6,420	1,870	634
MIN	138	713	630	1,550	2,440	3,190	1,270	1,060	357	140	311	249
CFSM	.76	.69	1.02	2.60	4.27	3.22	1.88	1.76	.32	.42	.55	.21
IN.	.88	.77	1.19	3.00	4.45	3.72	2.10	2.03	.36	.49	.63	.23

CAL YR 1970 TOTAL 1,306,654 MEAN 3,580 MAX 47,700 MIN 134 CFSM 1.84 IN 25.04
WTR YR 1971 TOTAL 1,034,896 MEAN 2,835 MAX 27,200 MIN 138 CFSM 1.46 IN 19.83

PEAK DISCHARGE (BASE, 15,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-25	1600	23.73	19,700	2-27	0600	[illegible]	[illegible],800
2-22	1800	26.00	27,800	3-26	1200	22.00	15,000

02439400 Buttahatchee River near Aberdeen, Miss.

LOCATION.--Lat 33°47'28", long 88°18'52", in NW¼ sec.3, T.15 S., R.17 W., Huntsville meridian, Monroe County, near right bank on downstream side of bridge on county highway, 10 miles downstream from Sipsey Creek, and 13 miles southeast of Aberdeen.

DRAINAGE AREA.--787 sq mi.

PERIOD OF RECORD.--July 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 220.77 ft above mean sea level (Mississippi State Highway bench mark).

AVERAGE DISCHARGE.--5 years, 1,288 cfs (22.22 inches per year).

EXTREMES.--Current year: Maximum discharge, 17,200 cfs Feb. 28 (gage height, 17.57 ft); minimum, 165 cfs Oct. 6-7 (gage height, 4.51 ft).

Period of record: Maximum discharge,36,300 cfs Dec. 20, 1967 (gage height, 20.47 ft); minimum, 148 cfs Aug. 3, 1966 (gage height, 4.36 ft).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	199	916	485	1,530	1,620	10,700	4,790	1,400	600	420	520	300
2	191	676	470	1,550	1,330	6,930	4,050	1,680	570	430	437	314
3	185	576	457	1,310	1,140	5,890	3,520	1,310	564	374	420	386
4	180	512	456	1,270	1,120	5,520	3,760	1,060	523	325	389	463
5	173	466	437	1,780	1,850	5,530	3,520	908	474	290	362	413
6	168	436	415	2,310	2,490	4,870	2,770	820	471	271	358	314
7	165	412	402	2,380	3,060	3,610	2,320	772	474	260	334	458
8	170	394	390	1,720	3,310	2,960	1,980	723	474	254	410	401
9	185	387	406	1,350	2,600	2,720	1,750	667	484	256	487	306
10	206	398	391	1,240	1,780	2,450	1,580	612	480	245	435	271
11	235	517	394	1,190	1,410	2,200	1,440	864	450	235	365	251
12	279	501	447	1,210	1,320	2,210	1,320	1,530	400	224	403	253
13	307	458	707	1,110	1,400	2,240	1,220	2,680	360	213	651	290
14	425	456	857	991	1,460	2,370	1,140	5,370	340	216	648	265
15	368	478	689	938	1,270	2,580	1,070	9,850	330	214	420	237
16	332	554	617	900	1,140	2,550	1,000	6,990	450	214	347	227
17	276	495	699	832	1,090	2,220	956	4,410	560	235	300	394
18	247	466	749	794	1,040	1,840	916	2,830	610	224	276	716
19	247	560	650	773	1,030	2,040	880	1,890	580	214	269	681
20	336	858	612	723	1,620	2,520	836	1,440	520	221	258	445
21	712	1,250	774	669	2,670	2,950	872	1,210	470	318	240	356
22	802	1,350	1,210	663	4,660	2,980	1,110	1,040	410	312	238	313
23	501	973	1,190	1,170	10,300	2,670	1,190	908	370	242	294	298
24	441	786	1,200	2,100	14,600	2,500	1,280	808	338	221	609	288
25	1,000	674	1,350	2,700	8,190	2,460	1,800	744	302	288	479	367
26	1,470	605	1,170	3,370	6,610	2,670	1,380	688	282	936	347	349
27	861	575	948	6,210	7,420	3,630	1,080	636	284	1,150	286	484
28	582	553	835	6,380	14,600	6,770	952	783	320	1,220	258	458
29	584	530	868	4,200	------	5,930	876	1,170	377	980	274	408
30	1,110	507	1,150	2,710	------	4,440	920	984	349	1,330	240	320
31	1,440	------	1,470	1,960	------	4,460	------	702	------	762	232	------
TOTAL	14,377	18,319	22,895	58,033	102,130	115,410	52,278	57,479	13,216	13,094	11,586	11,031
MEAN	464	611	739	1,872	3,648	3,723	1,743	1,854	441	422	374	368
MAX	1,470	1,350	1,470	6,380	14,600	10,700	4,790	9,850	610	1,330	651	716
MIN	165	387	390	663	1,030	1,840	836	612	282	213	232	227
CFSM	.59	.78	.94	2.38	4.64	4.73	2.21	2.36	.56	.54	.48	.47
IN.	.68	.87	1.08	2.74	4.83	5.46	2.47	2.72	.62	.62	.55	.52

CAL YR 1970 TOTAL 445,748 MEAN 1,221 MAX 12,900 MIN 165 CFSM 1.55 IN 21.07
WTR YR 1971 TOTAL 489,848 MEAN 1,342 MAX 14,600 MIN 165 CFSM 1.71 IN 23.15

PEAK DISCHARGE (BASE, 6,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-27	2200	15.05	7,450	3-28	1300	15.02	7,360
2-24	0400	17.54	17,000	5-15	0700	16.09	10,700
2-28	1400	17.57	17,200				

02440000 Chuquatonchee Creek near Egypt, Miss.

LOCATION.--Lat 33°50'30", long 88°46'30", on line between secs.22 and 27, T.14 S., R.5 E., Chickasaw meridian, Chickasaw County, near left bank on downstream side of bridge on State Highway 8, 4.5 miles southwest of Egypt, and 11.5 miles upstream from Houlka Creek.

DRAINAGE AREA.--170 sq mi, approximately.

PERIOD OF RECORD.--October 1951 to September 1970. Prior to October 1965, published as Chookatonchee Creek near Egypt. (See REMARKS).

GAGE.--Water-stage recorder. Datum of gage is 221.07 ft above mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1969, at datum 5.00 ft higher.

AVERAGE DISCHARGE.--19 years, 199 cfs (15.90 inches per year).

EXTREMES.--Period of record: Maximum discharge, 28,300 cfs Mar. 21, 1955 (gage height, 16.23 ft, present datum), from rating curve extended above 11,000 cfs on basis of field estimate of peak flow; no flow at times.

Flood of Mar. 28, 1951, reached a stage of 15.47 ft, present datum, from records of Corps of Engineers.

REMARKS.--Records for water year 1971 are not presently available. They will be published in a subsequent report.

02440500 Chuquatonchee Creek near West Point, Miss.

LOCATION.--Lat 33°36'25", long 88°42'30", on line between secs.7 and 18, T.17 S., R.6 E., Chickasaw meridian, Clay County, near left bank on downstream side of bridge on State Highway 50, 3 miles west of West Point, and 3.5 miles upstream from mouth.

DRAINAGE AREA.--514 sq mi.

PERIOD OF RECORD.--October 1943 to current year. Monthly discharge only October 1946 to September 1947, published in WSP 1304. Prior to October 1950, published as Sakatonchee River near West Point; October 1950 to September 1965, published as Chookatonchee Creek near West Point.

GAGE.--Water-stage recorder. Datum of gage is 170.10 ft above mean sea level (levels by Corps of Engineers). Prior to Aug. 3, 1949, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--28 years, 750 cfs (19.82 inches per year).

EXTREMES.--Current year: Maximum discharge, 15,400 cfs Feb. 23 (gage height, 19.07 ft); minimum daily, 0.40 cfs Oct. 9, 10. Period of record: Maximum discharge, 45,800 cfs Mar. 29, 1951 (gage height, 23.55 ft); no flow at times.

REMARKS.--Records good. Occasional slight regulation at low water, the result of releases from Davis Lake.

COOPERATION.--Gage-height record and 9 discharge measurements furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1504: 1944(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	726	71	1,770	320	5,810	1,840	1,140	44	49	166	5.1
2	1.2	290	68	1,600	248	3,430	1,910	1,230	52	40	106	17
3	3.5	150	66	941	206	3,450	2,000	652	104	30	82	56
4	2.6	100	64	1,010	217	3,110	1,660	300	125	39	64	54
5	1.2	76	59	1,720	1,380	1,940	1,040	206	89	32	47	54
6	.7	63	56	2,480	1,770	1,000	583	169	66	25	37	31
7	.6	54	51	1,920	1,410	802	429	152	64	19	35	24
8	.5	49	48	751	795	852	355	150	61	16	34	18
9	.4	44	45	374	425	608	309	139	63	15	31	20
10	.4	142	44	362	303	460	278	123	42	13	137	17
11	.9	666	45	418	357	783	249	298	37	12	259	9.1
12	9.9	569	49	455	459	1,210	225	1,330	33	9.5	132	3.5
13	407	296	60	396	1,160	1,440	210	4,190	30	6.3	60	2.3
14	1,070	196	70	327	1,630	2,200	190	5,730	27	3.9	39	3.5
15	1,320	419	66	300	1,530	2,760	173	6,760	25	2.3	31	3.5
16	728	722	68	271	916	2,380	163	4,110	22	2.0	24	2.9
17	210	471	130	221	516	1,350	158	1,590	22	2.0	21	437
18	100	291	183	187	417	634	155	395	36	.90	18	206
19	63	277	158	167	526	1,300	148	176	35	1.0	15	29
20	54	522	123	146	2,090	1,950	142	130	59	.90	12	19
21	53	646	567	125	3,320	2,300	629	99	151	2.0	8.7	13
22	50	580	1,280	118	7,490	1,630	1,080	83	108	1.6	7.1	8.3
23	43	348	1,570	1,050	14,300	1,720	1,370	71	52	.90	238	7.5
24	136	219	1,590	1,800	9,760	2,250	1,260	66	38	.70	138	5.9
25	927	152	1,430	2,750	4,720	2,880	1,250	62	79	6.3	53	3.2
26	1,260	116	835	3,810	4,320	3,140	558	58	72	83	33	2.3
27	977	99	502	4,450	7,270	3,490	293	53	46	330	24	154
28	407	90	254	3,240	9,100	4,280	216	52	43	239	18	56
29	543	81	885	1,350	------	3,140	183	52	52	290	10	18
30	1,110	75	1,240	565	------	2,490	600	55	48	232	6.7	8.3
31	1,230	------	1,660	388	------	2,460	------	48	------	200	5.9	------
TOTAL	10,710.9	8,529	13,337	35,462	76,955	67,249	19,656	29,669	1,725	1,704.30	1,892.4	1,288.4
MEAN	346	284	430	1,144	2,748	2,169	655	957	57.5	55.0	61.0	42.9
MAX	1,320	726	1,660	4,450	14,300	5,810	2,000	6,760	151	330	259	437
MIN	.40	44	44	118	206	460	142	48	22	.70	5.9	2.3
CFSM	.67	.55	.84	2.23	5.35	4.22	1.27	1.86	.11	.11	.12	.08
IN.	.78	.62	.97	2.57	5.57	4.87	1.42	2.15	.12	.12	.14	.09

CAL YR 1970 TOTAL 281,672.90 MEAN 772 MAX 18,100 MIN 0 CFSM 1.50 IN 20.39
WTR YR 1971 TOTAL 268,178.00 MEAN 735 MAX 14,300 MIN .40 CFSM 1.43 IN 19.41

PEAK DISCHARGE (BASE, 12,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
2-23	1000	19.07	15,400				

02441000 Tibbee Creek near Tibbee, Miss.

LOCATION.--Lat 33°32'17", long 88°38'00", in SW¼ sec.4, T.19 N., R.16 E., Choctaw meridian, Clay County, on right bank 10 ft downstream from bridge on old State Highway 25, 560 ft upstream from Gulf, Mobile and Ohio Railroad bridge, 0.7 mile north of Tibbee, 4.5 miles upstream from Magee Creek, 5 miles south of West Point, and 9.8 miles upstream from Catalpa Creek.

DRAINAGE AREA.--928 sq mi.

PERIOD OF RECORD.--August 1928 to September 1930, October 1939 to current year. Monthly discharge only for September 1930 and October 1939, published in WSP 1304. Prior to October 1950, published as Tibbee River near Tibbee.

GAGE.--Water-stage recorder. Datum of gage is 154.07 ft above mean sea level (levels by Corps of Engineers). Aug. 7, 1928, to Aug. 31, 1930, nonrecording gage at site 560 ft downstream at present datum. Nov. 5 to Dec. 6, 1939, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--34 years, 1,248 cfs (18.26 inches per year).

EXTREMES.--Current year: Maximum discharge, 29,200 cfs Feb. 23 (gage height, 27.08 ft); minimum, 0.30 cfs Oct. 1-2.

Period of record: Maximum discharge, 75,200 cfs Mar. 29, 1951 (gage height, 30.82 ft); no flow at times.
Maximum stage known, 31.5 ft in December 1926, from information by local residents.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1929-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.3	1,550	126	2,630	500	14,200	3,720	3,110	62	65	310	11
2	.3	1,250	119	2,680	389	8,840	3,160	4,130	93	77	186	27
3	2.2	1,010	114	2,120	313	8,010	4,450	2,110	113	158	124	328
4	8.6	724	108	1,170	351	8,500	4,160	620	167	61	95	129
5	6.6	556	103	1,870	2,040	6,750	2,330	376	123	40	69	131
6	5.8	460	96	2,600	3,230	4,360	899	275	89	32	68	68
7	3.8	300	91	3,670	3,690	1,870	636	223	147	23	68	43
8	3.5	170	86	2,820	2,430	1,180	520	203	239	17	48	31
9	5.0	103	83	782	849	921	439	184	253	14	40	27
10	4.1	96	81	613	532	709	384	204	330	11	57	24
11	3.5	634	80	665	420	844	339	656	415	9.4	257	16
12	3.2	768	84	717	564	1,270	304	1,750	161	8.7	201	11
13	109	472	90	671	1,500	1,870	276	6,510	112	7.7	97	7.3
14	1,290	310	104	573	2,160	3,420	255	14,300	86	5.6	53	5.2
15	1,880	420	109	664	2,490	4,660	229	13,400	72	4.5	35	4.5
16	1,930	898	107	568	1,750	4,510	207	9,400	59	2.7	25	8.4
17	1,780	759	171	419	925	2,800	193	5,930	48	3.0	19	1,580
18	1,510	464	311	330	713	1,010	184	2,500	70	3.6	15	1,500
19	1,180	401	269	281	751	1,650	176	430	100	7.7	12	386
20	448	675	203	233	2,640	2,940	167	295	130	8.0	10	118
21	98	903	407	188	5,460	3,600	671	225	150	9.8	10	65
22	165	907	1,140	171	11,600	3,090	2,050	179	112	7.3	11	44
23	119	630	1,680	960	25,700	2,050	2,600	144	84	4.5	489	31
24	700	414	1,720	2,450	23,400	2,300	1,990	124	43	3.0	458	26
25	1,500	288	1,590	3,510	12,900	3,220	1,400	110	53	8.4	185	22
26	1,800	213	1,160	4,770	9,030	4,510	850	98	96	146	90	49
27	928	178	585	5,440	17,000	5,450	411	269	62	546	50	674
28	760	160	370	5,490	22,500	6,080	292	287	43	806	34	352
29	796	144	727	3,860	------	5,780	239	106	52	1,680	20	178
30	1,470	134	1,590	1,300	------	5,570	1,450	84	57	916	14	97
31	1,780	------	2,130	614	------	5,070	------	73	------	491	11	------
TOTAL	20,289.9	15,991	15,634	54,829	155,827	127,034	34,981	68,305	3,621	5,184.9	3,161	5,993.4
MEAN	655	533	504	1,769	5,565	4,098	1,166	2,203	121	167	102	200
MAX	1,930	1,550	2,130	5,490	25,700	14,200	4,450	14,300	415	1,680	489	1,580
MIN	.30	96	80	171	313	709	167	73	43	2.7	10	4.5
CFSM	.71	.57	.54	1.91	6.00	4.42	1.26	2.37	.13	.18	.11	.22
IN.	.81	.64	.63	2.20	6.25	5.09	1.40	2.74	.15	.21	.13	.24

CAL YR 1970 TOTAL 547,859.09 MEAN 1,501 MAX 42,000 MIN .24 CFSM 1.62 IN 21.96
WTR YR 1971 TOTAL 510,851.20 MEAN 1,400 MAX 25,700 MIN .30 CFSM 1.51 IN 20.48

PEAK DISCHARGE (BASE, 10,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-23	1800	27.08	29,200	5-14	1630	24.94	15,800
2-28	0200	26.54	25,400				

02441500 Tombigbee River at Columbus, Miss.

LOCATION.--Lat 33°29'21", long 88°25'57", in NW¼ sec.20, T.18 S., R.18 W., Huntsville meridian, Lowndes County, on left bank at Columbus, 1,200 ft downstream from bridge on U.S. Highways 45E and 82, 1,800 ft upstream from Gulf, Mobile and Ohio Railroad bridge, 2.3 miles upstream from Luxapallila Creek, 6.7 miles downstream from Tibbee Creek, and at mile 319.7.

DRAINAGE AREA.--4,490 sq mi, approximately.

PERIOD OF RECORD.--October 1899 to December 1912, August 1928 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected in this vicinity since 1890 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 128.91 ft above mean sea level. Prior to Nov. 7, 1934, nonrecording gage at various sites within a quarter of a mile of present site, at datum 4.00 ft higher prior to Mar. 13, 1934, and at present datum thereafter. Since Oct. 1, 1968, auxiliary nonrecording gage 2.1 miles upstream from base gage at datum 128.82 ft above mean sea level. Mar. 3, 1941, to Sept. 30, 1968, auxiliary nonrecording gage at site 3.7 miles upstream at different datum.

AVERAGE DISCHARGE.--56 years, 6,235 cfs (18.86 inches per year).

EXTREMES.--Current year: Maximum discharge, 60,200 cfs Mar. 1; maximum gage height, 33.33 ft Mar. 1; minimum discharge, 400 cfs Oct. 8 (gage height, 1.35 ft).

Period of record: Maximum discharge, 148,000 cfs Jan. 7, 1949 (gage height, 39.32 ft); minimum, 138 cfs Sept. 20, 1954; minimum gage height observed, -0.1 ft Oct. 9-12, 1911, present datum.

Flood of Apr. 8, 1892, reached an elevation of 173.0 ft above mean sea level at site 1,100 ft upstream (corresponding stage at gage, about 44 ft).

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 662: Drainage area. WSP 727: 1928-29. WSP 802: 1929(M). WSP 1504: 1900-1903, 1950.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	515	5,470	1,460	10,300	17,200	60,200	23,300	12,700	2,250	1,070	3,100	828
2	492	3,780	1,420	9,470	13,200	58,400	22,000	12,100	2,060	1,070	2,440	995
3	464	2,230	1,400	7,860	8,620	52,500	21,900	9,720	2,000	1,210	2,390	2,810
4	444	1,840	1,370	6,390	5,310	48,100	21,400	5,670	1,940	1,090	2,000	3,700
5	428	1,610	1,310	9,810	10,200	42,700	19,500	3,830	1,760	943	1,790	1,780
6	412	1,450	1,260	10,900	13,100	38,500	16,800	3,210	1,600	858	1,590	1,440
7	408	1,350	1,210	10,600	13,000	33,100	12,800	2,860	1,530	788	1,460	1,200
8	404	1,270	1,180	9,270	11,900	23,700	9,390	2,810	2,200	755	1,600	1,130
9	424	1,240	1,140	7,070	9,400	16,800	7,410	2,760	1,840	711	1,950	1,070
10	444	1,520	1,130	5,000	7,530	11,200	6,050	2,790	1,660	648	2,040	969
11	690	2,780	1,150	4,400	5,930	10,300	5,290	4,410	1,500	652	2,070	870
12	916	2,700	1,240	4,170	6,700	11,200	4,710	9,350	1,550	640	2,230	783
13	4,500	2,380	1,390	3,920	9,270	13,700	4,210	20,600	1,360	628	2,270	810
14	6,750	1,960	1,660	3,590	10,700	15,500	3,930	25,400	1,190	600	2,170	805
15	7,530	2,270	1,810	3,630	10,800	16,400	3,530	29,100	1,090	576	2,230	750
16	5,850	3,060	1,780	4,920	9,060	17,000	3,280	31,000	1,040	576	1,790	700
17	2,840	2,790	1,780	4,240	7,190	16,300	3,100	30,500	1,090	580	1,520	4,700
18	1,610	2,300	2,090	3,780	5,770	12,200	2,930	27,500	1,400	588	1,420	6,670
19	1,350	2,320	2,170	3,450	5,590	13,000	2,810	19,200	2,130	596	1,270	3,490
20	1,340	3,120	2,000	3,260	12,900	14,800	2,670	13,500	2,040	788	1,070	1,770
21	1,650	4,340	2,570	3,000	20,600	14,400	3,800	8,140	1,380	943	1,050	1,350
22	1,790	4,200	6,190	2,730	24,700	14,300	7,270	4,760	1,240	766	1,160	1,120
23	1,740	3,740	7,310	5,170	33,200	13,200	8,450	3,420	1,180	733	1,540	995
24	1,600	2,860	8,960	12,500	40,900	13,400	9,010	2,830	1,120	670	2,620	894
25	3,720	2,310	10,100	15,200	49,000	12,800	10,100	2,520	1,110	777	1,890	870
26	4,590	1,950	9,570	17,400	53,300	19,300	9,640	2,270	1,040	3,290	1,540	918
27	4,370	1,770	6,840	20,500	54,800	21,300	7,750	2,170	1,010	8,240	1,140	2,270
28	3,680	1,650	4,310	22,600	58,100	22,600	7,490	2,790	943	7,450	930	2,290
29	2,720	1,580	4,620	22,000	------	24,400	7,280	3,240	1,080	9,220	822	1,620
30	6,000	1,510	7,550	22,500	------	25,300	9,650	3,280	1,180	6,560	777	1,270
31	6,260	------	9,590	20,600	------	25,200	------	2,750	------	3,980	755	------
TOTAL	75,831	73,450	107,560	290,230	527,970	731,800	277,350	307,180	44,513	57,996	52,624	50,867
MEAN	2,446	2,448	3,470	9,362	18,860	23,610	9,245	9,909	1,484	1,871	1,698	1,696
MAX	7,530	5,470	10,100	22,600	58,100	60,200	23,300	31,000	2,250	9,220	3,100	6,670
MIN	404	1,240	1,130	2,730	5,310	10,300	2,670	2,170	943	576	755	700
CFSM	.54	.55	.77	2.09	4.20	5.26	2.06	2.21	.33	.42	.38	.38
IN.	.63	.61	.89	2.40	4.37	6.06	2.30	2.55	.37	.48	.44	.42

CAL YR 1970 TOTAL 2,926,588 MEAN 8,018 MAX 83,700 MIN 404 CFSM 1.79 IN 24.25
WTR YR 1971 TOTAL 2,597,371 MEAN 7,116 MAX 60,200 MIN 404 CFSM 1.58 IN 21.52

02443000 Luxapallila Creek at Steens, Miss.

LOCATION.--Lat 33°33'35", long 88°18'55", in NE¼ sec.27, T.17 S., R.17 W., Huntsville meridian, Lowndes County, on left bank at downstream side of highway bridge, 0.2 mile southeast of Steens, 1 mile upstream from Yellow Creek, and 6.5 miles northeast of Columbus.

DRAINAGE AREA.--309 sq mi.

PERIOD OF RECORD.--October 1943 to September 1947, October 1949 to current year. Prior to October 1966, published as Luxapalila Creek at Steens.

GAGE.--Water-stage recorder. Datum of gage is 179.45 ft above mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1947, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--26 years, 470 cfs (20.66 inches per year).

EXTREMES.--Current year: Maximum discharge, 8,490 cfs Feb. 23 (gage height, 17.48 ft); minimum, 53 cfs Oct. 7 (gage height, 3.21 ft).

Period of record: Maximum discharge, 14,200 cfs Feb. 23, 1961 (gage height, 18.90 ft), from rating curve extended above 8,300 cfs on basis of records for station near Fayette, Alabama; minimum, 23 cfs Aug. 14, 1954 (gage height, 2.52 ft).

Flood of Jan. 6, 1949, reached a stage of 19.2 ft (discharge, about 16,000 cfs).

REMARKS.--Records good.

COOPERATION.--Gage-height record and 8 discharge measurements furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1172: 1946(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	308	186	789	419	1,960	915	898	182	121	186	181
2	69	241	180	660	368	1,660	996	677	199	130	153	179
3	66	212	179	511	336	3,450	1,630	461	176	137	138	267
4	64	192	174	461	330	3,540	1,050	368	163	156	139	216
5	63	182	171	529	547	2,050	822	314	147	130	138	167
6	60	176	164	619	1,220	1,310	698	282	243	113	154	131
7	58	171	158	463	898	1,120	634	269	226	107	390	133
8	63	167	158	398	626	974	574	249	180	98	525	140
9	70	165	156	376	509	776	522	229	164	93	290	127
10	334	170	153	388	434	718	483	232	149	87	224	113
11	505	196	163	400	382	747	450	302	130	81	232	100
12	308	218	223	412	380	750	410	679	114	87	232	90
13	462	199	402	392	406	830	384	3,330	111	87	199	96
14	463	207	434	362	423	1,110	362	5,680	107	83	176	98
15	432	199	314	354	386	1,040	342	3,120	103	76	139	87
16	304	210	288	384	374	812	324	1,280	100	75	118	85
17	207	199	326	362	402	686	314	783	105	98	105	254
18	165	194	354	318	380	598	302	590	189	130	96	575
19	192	199	294	296	362	718	294	478	196	98	90	535
20	456	282	279	269	634	1,160	282	400	182	114	84	279
21	921	390	310	248	2,100	890	415	352	147	167	82	197
22	665	454	376	239	6,030	739	605	300	126	143	79	164
23	419	340	350	324	8,420	828	583	260	118	104	129	147
24	326	275	322	753	6,790	841	529	256	109	92	183	134
25	284	239	352	954	2,540	765	574	221	102	134	170	154
26	334	220	306	1,150	1,590	1,760	410	210	97	396	127	137
27	286	210	267	1,250	3,400	2,640	338	199	104	522	103	188
28	229	204	241	791	3,950	1,340	300	208	122	590	108	246
29	260	199	359	593	------	1,190	286	328	147	638	112	264
30	312	191	763	509	------	1,830	557	265	120	412	90	176
31	398	------	901	461	------	1,260	------	202	------	264	104	------
TOTAL	8,848	6,809	9,303	16,015	44,636	40,082	16,385	23,422	4,358	5,563	5,095	5,660
MEAN	285	227	300	517	1,594	1,293	546	756	145	179	164	189
MAX	921	454	901	1,250	8,420	3,540	1,630	5,680	243	638	525	575
MIN	58	165	153	239	330	588	282	199	97	75	79	85
CFSM	.92	.73	.97	1.67	5.16	4.18	1.77	2.45	.47	.58	.53	.61
IN.	1.07	.82	1.12	1.93	5.37	4.83	1.97	2.82	.52	.67	.61	.68

CAL YR 1970 TOTAL 188,589 MEAN 517 MAX 12,400 MIN 58 CFSM 1.67 IN 22.70
WTR YR 1971 TOTAL 186,176 MEAN 510 MAX 8,420 MIN 58 CFSM 1.65 IN 22.41

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-23	0800	17.48	8,490	5-14	1100	16.35	6,010

02444500 Tombigbee River near Cochrane, Ala.

LOCATION.--Lat 33°04'45", long 88°14'18", in sec.7, T.24 N., R.2 W., Pickens County, near left bank on downstream side of bridge on State Highway 17, 200 ft upstream from Alabama, Tennessee and Northern Railroad bridge, 1.2 miles northeast of Chocrane, 2.2 miles downstream from Boguechitto Creek, 7 miles southwest of Aliceville, and at mile 271.4.

DRAINAGE AREA.--5,990 sq mi, approximately.

PERIOD OF RECORD.--October 1938 to September 1970. Monthly discharge only for period October to December 1938, published in WSP 1304. Gage-height records collected at same site November 1909 to September 1924 are contained in reports of the U.S. Weather Bureau. (See **REMARKS**).

GAGE.--Water-stage recorder. Datum of gage is 89.85 ft above mean sea level. Prior to July 10, 1939, nonrecording gage at site 200 ft downstream at same datum. Since Jan. 30, 1940, auxiliary water-stage recorder or nonrecording gage 14 miles downstream from base gage at datum 7.76 ft lower.

AVERAGE DISCHARGE.--32 years, 8,194 cfs (18.58 inches per year).

EXTREMES.--Period of record: Maximum discharge, 163,000 cfs Jan. 9, 1949; maximum gage height, 46.9 ft Jan. 9, 1949; minimum discharge, 165 cfs Sept. 21, 1954 (gage height, 2.34 ft).

Flood in April 1892 reached a stage of 50.2 ft, present datum (discharge not determined), from reports of U.S. Weather Bureau.

REMARKS.--Records for water year 1971 are not presently available. They will be published in a subsequent report.

02448000 Noxubee River at Macon, Miss.

LOCATION.--Lat 33°06'05", long 88°33'40", in NE¼ sec.4, T.14 N., R.17 E., Choctaw meridian, Noxubee County, on left bank at downstream side of bridge on U.S. Highway 45 at Macon, 0.2 mile upstream from Cedar Creek, 1.0 mile downstream from Gulf, Mobile and Ohio Railroad bridge, 1.5 miles downstream from Horse Hunters Creek, and 6.2 miles upstream from Running Water Creek.

DRAINAGE AREA.--812 sq mi.

PERIOD OF RECORD.--August 1928 to September 1932, September 1938 to current year. Monthly discharge only June to September 1932, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 142.38 ft above mean sea level (levels by Corps of Engineers). Prior to May 31, 1932, nonrecording gage at site 40 ft downstream at different datum. Sept. 21, 1938, to Aug. 10, 1939, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--37 years, 936 cfs (15.65 inches per year).

EXTREMES.--Current year: Maximum discharge, 14,000 cfs May 14 (gage height, 28.25 ft); minimum, 38 cfs Oct. 6-7 (gage height, 5.91 ft).

Period of record: Maximum discharge, 52,000 cfs Mar. 30, 1951 (gage height, 32.97 ft); minimum, 22 cfs Aug. 25, 26, 1943 (gage height, 4.89 ft).

A flood in July 1892 reached a stage of about 34 feet, present site and datum, information from local residents. The December 1926 flood was the highest from 1892 until that date, according to local residents, and reached approximately the same stage as that of July 1940, from Corps of Engineers flood profiles. The flood of March 30, 1951, is the highest; and the flood of Jan. 6, 1949, is the second highest flood since that of July 1892, according to local residents.

REMARKS.--Records good. Occasional slight regulation by Bluff Lake at low water.

REVISIONS (WATER YEARS).--WSP 1624: 1929-30, 1932.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	156	96	560	218	7,690	2,140	4,010	231	103	1,030	119
2	50	199	94	450	196	6,880	3,160	3,720	190	108	785	195
3	45	154	93	415	180	9,950	3,260	2,750	175	125	536	2,290
4	43	117	92	343	206	11,600	2,760	2,630	184	210	359	2,060
5	41	99	90	310	1,820	9,140	2,270	2,910	168	304	379	812
6	39	89	84	307	1,830	7,320	2,070	2,930	153	211	589	301
7	40	77	80	265	1,290	6,290	1,580	1,770	179	147	543	219
8	42	81	76	263	1,310	5,500	925	660	524	165	498	165
9	87	81	73	250	1,290	4,600	613	430	507	194	338	136
10	54	80	73	260	870	3,090	482	404	474	195	263	122
11	59	84	77	277	491	1,570	408	1,280	293	173	218	121
12	47	81	86	264	476	1,390	358	2,700	201	156	201	117
13	60	77	125	252	873	3,100	325	7,660	163	142	200	111
14	107	79	112	258	834	4,670	297	13,200	141	130	216	105
15	160	87	99	516	739	4,470	279	10,500	125	127	183	101
16	156	110	111	395	776	3,410	254	12,100	113	133	153	113
17	153	90	137	374	615	2,530	244	10,500	105	478	136	3,740
18	145	85	132	328	485	2,380	236	8,650	106	923	126	4,190
19	154	93	119	298	539	3,690	224	7,080	99	588	119	2,120
20	210	121	234	279	1,800	4,060	214	5,580	99	731	114	1,100
21	218	132	223	283	3,620	3,430	486	2,290	107	984	109	687
22	156	144	188	242	6,180	2,530	643	576	108	775	126	381
23	130	136	154	318	6,350	2,330	586	419	112	823	240	256
24	134	155	156	373	6,520	2,060	506	340	104	793	568	206
25	105	147	169	623	6,110	1,480	434	304	96	533	449	238
26	86	123	161	995	6,240	2,500	327	263	87	492	185	196
27	81	112	153	881	7,920	2,250	273	257	125	904	120	871
28	120	107	149	760	8,790	1,680	241	312	119	1,470	100	745
29	131	103	192	546	------	2,380	213	257	121	1,710	92	361
30	110	99	296	345	------	3,090	2,230	239	107	1,570	89	218
31	142	------	625	257	------	2,550	------	244	------	1,190	93	------
TOTAL	3,164	3,298	4,549	12,287	68,568	129,610	28,038	106,965	5,316	16,587	9,157	22,396
MEAN	102	110	147	396	2,449	4,181	935	3,450	177	535	295	747
MAX	218	199	625	995	8,790	11,600	3,260	13,200	524	1,710	1,030	4,190
MIN	39	77	73	242	180	1,390	213	239	87	103	89	101
CFSM	.13	.14	.18	.49	3.02	5.15	1.15	4.25	.22	.66	.36	.92
IN.	.14	.15	.21	.56	3.14	5.94	1.28	4.90	.24	.76	.42	1.03

CAL YR 1970 TOTAL 339,404 MEAN 930 MAX 12,800 MIN 39 CFSM 1.15 IN 15.55
WTR YR 1971 TOTAL 409,935 MEAN 1,123 MAX 13,200 MIN 39 CFSM 1.38 IN 18.73

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3- 4	0800	27.67	12,000	5-14	0900	28.25	14,000

02448500 Noxubee River near Geiger, Ala

LOCATION.--Lat 32°55'06", long 88°17'45", in SE¼ sec.33, T.23 N., R.3 W., Sumter County, near left bank on downstream side of bridge on State Highway 17, 0.5 mile upstream from Woodards Creek, 1 mile upstream from Alabama, Tennessee and Northern Railroad bridge, and 4 miles north of Geiger.

DRAINAGE AREA.--1,140 sq mi, approximately.

PERIOD OF RECORD.--March 1939 to September 1940, July 1944 to September 1965, and October 1965 to September 1966 (gage heights only), October 1966 to September 1970 (monthly discharge only for period October to December 1966). (See REMARKS).

GAGE.--Water-stage recorder. Datum of gage is 86.08 ft above mean sea level. Prior to Sept. 30, 1940, nonrecording gage at site of old highway bridge 1 mile downstream at datum 84.64 ft above mean sea level. July 26, 1944, to June 5, 1949, nonrecording gage at present site and datum. Water-stage recorder for Tombigbee River at Gainesville is used as auxiliary gage for this station.

AVERAGE DISCHARGE.--26 years, 1,405 cfs (16.72 inches per year).

EXTREMES.--Period of record: Maximum discharge, 37,600 cfs Mar. 31, 1951 (gage height, 42.7 ft); minimum discharge, 13 cfs July 7, 1954.

REMARKS.--Records for water year 1971 are not presently available. They will be published in a subsequent report.

REVISIONS.--WSP 1384: Drainage area.

02472000 Leaf River near Collins, Miss.

LOCATION.--Lat 31°42'25", long 89°24'25", in NE¼ sec.33, T.9 N., R.14 W., St. Stephens meridian, Covington County, on right bank at downstream side of bridge on U.S. Highway 84, 2 miles downstream from Oakohay Creek, 8 miles upstream from Big Creek, 9.5 miles northeast of Collins, and at mile 114.5.

DRAINAGE AREA.--752 sq mi.

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 197.48 ft above mean sea level (Mississippi State Highway Department bench mark). Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--33 years, 1,000 cfs (18.06 inches per year).

EXTREMES.--Current year: Maximum discharge, 10,200 cfs May 15 (gage height, 18.60 ft); minimum, 81 cfs Oct. 5-6 (gage height, 3.51 ft).

Period of record: Maximum discharge, 48,500 cfs Feb. 23, 1961 (gage height, 31.65 ft in gage well, 31.85 ft from outside gage); minimum, 55 cfs Aug. 28-30, 1957; minimum gage height, 3.51 ft Sept. 22, Oct. 5-6, 1970.

Flood in April 1856, the highest known, reached a stage of about 33 ft; and the flood in April 1900 reached a stage of 32 ft, from information by local residents.

REMARKS.--Records fair. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	214	177	3,290	581	3,950	1,890	2,710	296	309	849	180
2	89	202	174	3,030	512	6,170	3,180	2,260	276	465	527	154
3	86	187	170	2,150	445	8,580	3,690	1,440	262	334	378	153
4	85	177	167	2,380	415	8,510	3,210	752	248	258	337	178
5	82	170	166	4,130	1,040	9,050	2,480	571	280	218	617	205
6	82	166	161	3,160	2,520	6,060	1,550	482	276	196	1,340	209
7	182	162	156	2,280	2,520	3,560	1,020	456	266	182	1,070	191
8	297	158	153	1,430	2,480	2,800	845	568	274	240	788	187
9	247	166	151	968	1,950	2,300	748	590	270	198	699	161
10	175	182	150	862	1,500	2,100	674	515	262	170	437	143
11	155	178	166	824	986	2,000	617	503	228	158	549	132
12	166	167	1,240	796	1,090	2,000	574	3,090	218	150	462	125
13	1,560	164	1,350	729	2,210	2,800	533	7,820	218	166	316	119
14	2,770	415	991	648	2,560	4,340	500	8,460	207	212	252	112
15	1,240	607	748	584	2,120	5,280	470	9,670	193	169	211	111
16	825	539	1,890	1,110	1,360	5,690	448	4,980	184	150	184	148
17	508	468	1,890	2,140	862	2,740	431	2,390	184	497	170	1,200
18	357	349	1,720	1,710	681	1,770	415	1,470	234	509	162	2,160
19	1,330	283	1,150	768	574	5,780	417	866	571	325	148	2,010
20	4,650	298	641	539	2,020	5,200	404	756	354	242	148	1,410
21	3,300	386	509	459	5,380	4,740	515	884	311	209	158	634
22	2,930	332	442	412	8,310	3,340	1,860	800	280	240	332	389
23	1,480	268	399	437	7,970	2,150	4,130	607	256	191	228	311
24	584	232	384	597	6,560	1,580	2,110	503	266	191	226	254
25	417	209	536	1,130	3,540	1,450	1,990	451	339	264	196	224
26	344	198	945	2,440	2,470	6,360	1,590	428	431	258	167	212
27	296	193	800	2,230	3,040	5,300	888	391	342	332	150	203
28	260	187	454	1,590	3,550	4,930	624	381	252	1,240	138	200
29	240	184	404	1,230	------	3,840	565	361	226	1,110	131	218
30	234	180	645	941	------	3,290	2,640	334	272	1,330	126	178
31	226	------	3,160	677	------	2,570	------	313	------	1,510	131	------
TOTAL	25,290	7,621	22,089	45,671	69,246	130,230	41,008	55,802	8,276	12,023	11,627	12,111
MEAN	816	254	713	1,473	2,473	4,201	1,367	1,800	276	388	375	404
MAX	4,650	607	3,160	4,130	8,310	9,050	4,130	9,670	571	1,510	1,340	2,160
MIN	82	158	150	412	415	1,450	404	313	184	150	126	111
CFSM	1.09	.34	.95	1.96	3.29	5.59	1.82	2.39	.37	.52	.50	.54
IN.	1.25	.38	1.09	2.26	3.43	6.44	2.03	2.76	.41	.59	.58	.60

CAL YR 1970 TOTAL 243,808 MEAN 668 MAX 5,620 MIN 82 CFSM .89 IN 12.06
WTR YR 1971 TOTAL 440,994 MEAN 1,208 MAX 9,670 MIN 82 CFSM 1.61 IN 21.82

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-22	1800	17.25	8,750	5-15	1200	18.60	10,200
3- 5	1100	17.73	9,230				

02472500 Bowie Creek near Hattiesburg, Miss.

LOCATION.--Lat 31°25'32", long 89°24'53", in NW¼SW¼ sec.4, T.5 N., R.14 W., St. Stephens meridian, Forrest County, on left bank 25 ft downstream from upstream bridge of dual bridges on U.S. Highway 49, 1 mile upstream from Okatoma Creek, 2 miles southwest of Lux, and 10 miles northwest of Hattiesburg.

DRAINAGE AREA.--30[illegible] sq mi.

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 160.04 ft above mean sea level (levels by Corps of Engineers). Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--33 years, 423 cfs (18.90 inches per year).

EXTREMES.--Current year: Maximum discharge, 4,350 cfs Mar. 3 (gage height, 13.71 ft); minimum, 116 cfs Oct. 2; minimum gage height, 2.55 ft Aug. 30.

Period of record: Maximum discharge, 34,800 cfs Feb. 22, 1961 (gage height, 26.54 ft in gage well, 26.92 ft from outside gage); minimum, 83 cfs Aug. 29, 1957; minimum gage height, 2.45 ft Oct. 5, 6, 1968.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1906: 1943(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	156	166	1.070	195	597	400	203	169	190	236	227
2	118	149	163	661	186	2.800	719	198	166	173	214	167
3	123	144	162	424	181	4.190	780	193	163	172	244	173
4	121	141	161	761	187	3.290	575	187	161	222	178	182
5	129	140	160	1.160	651	2.080	446	182	167	175	161	249
6	127	139	160	790	810	1.420	354	179	163	161	154	209
7	183	138	159	550	921	817	307	182	241	155	170	191
8	252	138	159	494	1.290	534	287	193	203	160	181	176
9	226	149	159	437	1.010	434	273	267	204	166	175	149
10	186	184	157	404	589	410	260	232	201	164	157	140
11	153	180	164	387	396	421	251	209	175	154	157	138
12	170	163	474	372	551	658	244	1.250	164	148	271	151
13	1.110	156	761	328	1.120	991	236	2.050	160	147	215	149
14	1.970	525	488	298	867	727	229	1.170	157	144	164	142
15	1.190	615	463	278	500	617	224	855	152	142	145	131
16	565	398	1.650	257	389	484	219	695	149	140	135	289
17	310	264	1.210	240	324	380	215	415	147	170	130	532
18	233	218	754	230	287	328	215	271	148	164	127	388
19	231	203	437	221	266	1.690	219	234	157	152	126	318
20	780	237	330	209	261	2.100	222	232	164	157	123	294
21	815	366	287	203	645	1.520	372	394	229	362	160	253
22	427	277	260	202	1.060	791	315	339	185	224	258	209
23	275	224	243	220	908	582	518	244	178	172	179	204
24	223	201	245	374	1.070	408	513	214	291	160	157	217
25	201	188	245	388	784	402	421	204	316	170	145	324
26	183	180	226	315	525	687	334	199	253	179	144	453
27	170	177	212	257	865	525	243	190	224	178	140	354
28	163	175	202	224	757	429	226	187	217	167	130	231
29	162	172	398	209	------	946	214	182	185	220	124	187
30	163	169	810	204	------	926	206	178	195	419	122	166
31	161	------	1.410	201	------	541	------	172	------	267	140	------
TOTAL	11.242	6.566	12.875	12.368	17.595	32.725	10.037	11.900	5.684	5.774	5.162	6.987
MEAN	363	219	415	399	628	1.056	335	384	189	186	167	233
MAX	1.970	615	1.650	1.160	1.290	4.190	780	2.050	316	419	271	532
MIN	118	138	157	201	181	328	206	172	147	140	122	131
CFSM	1.19	.72	1.37	1.31	2.07	3.47	1.10	1.26	.62	.61	.55	.77
IN.	1.38	.80	1.58	1.51	2.15	4.00	1.23	1.46	.70	.71	.63	.85

CAL YR 1970 TOTAL 104.417 MEAN 286 MAX 2.070 MIN 106 CFSM .94 IN 12.78
WTR YR 1971 TOTAL 138.915 MEAN 381 MAX 4.190 MIN 118 CFSM 1.25 IN 17.00

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3- 3	1300	13.71	4,350				

02472580 OKATOMA CREEK AT SARATOGA, MISS.

LOCATION.--Lat 31°48'03", long 89°40'26", in SE¼SE¼ sec.26, T.10 N., R.17 W., St. Stephens meridian, Simpson County, on downstream side of right pier of bridge on county highway, 30 ft downstream from mouth of Uspoba Creek, 400 ft downstream from Illinois Central Railroad bridge, and 0.4 mile northeast of Saratoga.

DRAINAGE AREA.--85.6 sq mi.

PERIOD OF RECORD.--June 1970 to December 1971 (discontinued).

GAGE.--Water-stage recorder.

EXTREMES.--June to September 1970: Maximum discharge during period,296 cfs Sept. 9 (gage height, 6.40 ft); minimum, 7.1 cfs July 7 (gage height, 2.83 ft).

Water year 1971: Maximum discharge, 4,400 cfs Feb. 21 (gage height, 10.75 ft); minimum, 12 cfs Oct. 7 (gage height, 2.90 ft).

October to December 1971: Maximum discharge during period, 4,880 cfs Dec. 7 (gage height, 10.95 ft); minimum, 19 cfs Oct. 16 (gage height, 3.15 ft).

REMARKS.--Records good except those for periods of no gage-height record, which are poor. Records of specific conductance for the water year 1971 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, JUNE TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									30	12	32	34
2									100	11	18	26
3									150	9.2	11	22
4									100	8.5	14	21
5									80	9.2	28	19
6									60	7.8	41	18
7									50	7.1	138	27
8									45	8.5	103	233
9									40	16	174	288
10									37	15	50	154
11									35	51	106	53
12									34	86	107	34
13									33	45	58	29
14									30	20	32	23
15									27	15	38	18
16									27	32	40	23
17									23	22	35	19
18									21	54	66	17
19									19	38	55	18
20									17	23	89	21
21									16	19	158	20
22									14	50	77	18
23									14	60	51	23
24									22	29	49	50
25									41	22	36	54
26									126	21	27	38
27									58	18	26	86
28									30	12	26	46
29									21	11	43	28
30					------				15	57	86	22
31		------			------		------		------	20	52	------
TOTAL									1,315	809.3	1,866	1,482
MEAN									43.8	26.1	60.2	49.4
MAX									150	86	174	288
MIN									14	7.1	11	17
CFSM									.51	.30	.70	.58
IN.									.57	.35	.81	.64

PEAK DISCHARGE (BASE, 1,800 CFS).--No peak above base.

0247280 Okatoma Creek at Saratoga, Miss.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	52	58	396	64	295	120	258	41	238	78	69
2	18	50	54	205	57	898	250	121	39	115	63	64
3	18	49	54	116	57	1.680	700	79	36	89	104	72
4	16	44	54	700	72	864	500	70	38	68	373	49
5	14	44	52	700	296	374	250	65	42	54	214	60
6	13	44	53	459	287	194	160	62	42	47	88	50
7	63	43	50	156	238	210	130	104	65	44	89	47
8	55	43	48	126	260	184	110	146	53	43	64	42
9	47	50	48	134	180	134	100	98	44	39	79	36
10	39	60	50	126	119	202	90	84	44	37	54	32
11	33	52	82	129	102	166	84	108	40	44	46	30
12	118	48	326	121	208	159	78	841	37	34	52	31
13	606	52	199	101	296	309	72	1.460	35	30	40	30
14	564	212	105	94	244	610	68	729	33	31	36	26
15	230	166	148	100	129	519	66	268	29	30	31	25
16	86	100	432	106	104	168	65	120	27	27	30	173
17	58	71	348	90	92	121	64	93	30	52	27	766
18	52	66	175	82	84	132	67	79	31	97	26	655
19	242	60	110	73	84	818	66	70	30	70	26	298
20	471	103	96	66	257	745	64	89	33	46	25	113
21	465	94	86	65	2480	329	557	95	138	40	35	85
22	208	71	79	66	986	146	1.040	74	64	32	44	75
23	87	66	76	140	543	125	600	61	84	72	40	55
24	70	58	90	138	228	112	300	57	380	97	42	50
25	60	54	79	138	140	220	170	63	177	200	62	234
26	54	58	70	164	398	778	120	62	73	76	42	146
27	50	60	64	110	761	759	92	54	97	119	34	79
28	52	58	62	81	569	296	86	52	132	126	30	63
29	70	60	118	74		218	84	50	369	169	27	54
30	70	58	229	72	------	220	166	45	632	160	26	49
31	60	------	460	70	------	150	------	42	------	126	31	------
TOTAL	4.009	2.046	3.955	5.198	9.335	12135	6.319	5.599	2.915	2.452	1.958	3.558
MEAN	129	68.2	128	168	333	392	211	181	97.2	79.1	63.2	119
MAX	606	212	460	700	2,480	1,680	1,040	1,460	632	238	373	766
MIN	13	43	48	65	57	112	64	42	27	27	25	25
CFSM	1.51	.80	1.50	1.96	3.89	4.58	2.46	2.11	1.14	.92	.74	1.39
IN.	1.74	.89	1.72	2.26	4.06	5.27	2.75	2.43	1.27	1.07	.85	1.55

WTR YR 1971 TOTAL 59,479 MEAN 163 MAX 2,480 MIN 13 CFSM 1.90 IN 25.85

PEAK DISCHARGE (BASE, 1,800 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
2-21	0900	10.75	4,400	5-13	0500	9.44	1,920
3- 3	0700	9.60	2,140				

02472580 Okatoma Creek at Saratoga, Miss.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, OCTOBER TO DECEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	21	87									
2	42	23	172									
3	40	31	470									
4	39	35	465									
5	42	26	292									
6	89	22	1,370									
7	85	21	2,840									
8	44	21	834									
9	33	40	331									
10	30	66	225									
11	26	53	348									
12	25	45	384									
13	23	42	196									
14	22	42	150									
15	20	42	190									
16	19	41	220									
17	23	40	190									
18	22	40	180									
19	22	53	170									
20	21	62	320									
21	20	52	230									
22	24	46	190									
23	23	50	160									
24	24	87	130									
25	24	74	112									
26	22	56	105									
27	22	53	96									
28	21	60	90									
29	20	124	88									
30	21	86	86		------							
31	21	------	90		------		------		------			------
TOTAL	954	1,454	10,811									
MEAN	30.8	48.5	349									
MAX	89	124	2,840									
MIN	19	21	86									
CFSM	.36	.57	4.08									
IN.	.41	.63	4.70									

CAL YR 1971 TOTAL 62,688 MEAN 172 MAX 2,840 MIN 19 CFSM 2.01 IN 27.24

PEAK DISCHARGE (BASE, 1,800 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12- 7	0200	10.95	4,880				

02473000 Leaf River at Hattiesburg, Miss.

LOCATION.--Lat 31°20'33", long 89°16'46", in SW¼NW¼ sec.2, T.4 N., R.13 W., St. Stephens meridian, Forrest County, on left bank at downstream side of bridge on U.S. Highway 11, at eastern city limits of Hattiesburg, 300 ft downstream from Bowie Creek, 3,000 ft upstream from New Orleans and Northeastern Railroad bridge, and at mile 71.8.

DRAINAGE AREA.--1,760 sq mi, approximately.

PERIOD OF RECORD.--September 1938 to current year. Gage-height records collected in the same vicinity since 1904 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 118.23 ft above mean sea level (levels by Corps of Engineers). Prior to Jan. 15, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--33 years, 2,486 cfs (19.18 inches per year).

EXTREMES.--Current year: Maximum discharge, 18,800 cfs Mar. 4 (gage height, 19.01 ft); minimum, 474 cfs Oct. 6 (gage height, 3.78 ft).

Period of record: Maximum discharge, 72,200 cfs Feb. 23, 1961 (gage height, 31.53 ft); minimum, 318 cfs Oct. 22, 1963; minimum gage height, 3.62 ft Oct. 29, 1968.

Flood in April 1900 reached a stage of about 33.6 ft, from reports of U.S. Weather Bureau.

REMARKS.--Records fair. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	556	838	732	6,950	1,320	6,770	4,480	3,630	1,120	1,150	2,670	653
2	525	789	719	5,800	1,200	14,100	4,840	3,540	1,100	1,430	1,850	821
3	500	752	710	4,690	1,110	18,200	6,840	3,030	1,090	1,150	1,440	809
4	490	722	699	4,200	1,080	18,600	6,090	2,180	1,070	1,150	1,220	955
5	480	700	690	7,510	2,130	16,900	5,130	1,570	1,070	925	1,050	1,150
6	474	690	678	7,010	3,910	15,200	4,120	1,340	1,040	840	1,520	1,200
7	842	680	668	5,470	4,680	11,500	2,970	1,240	1,590	795	2,160	1,150
8	1,420	675	662	4,370	7,090	6,240	2,470	1,280	1,540	925	1,850	1,000
9	1,250	670	662	3,350	6,050	4,870	2,240	1,530	1,340	860	1,580	856
10	986	824	665	2,700	4,350	4,110	2,070	1,530	1,280	795	1,410	752
11	777	847	670	2,500	3,150	4,050	1,940	1,410	1,290	735	1,190	693
12	700	790	958	2,360	2,760	4,150	1,820	3,380	1,170	700	1,250	665
13	2,900	724	3,310	2,220	5,190	4,970	1,700	11,300	1,020	725	1,220	662
14	8,540	1,360	3,050	2,050	5,350	6,430	1,610	12,300	925	746	967	662
15	6,810	2,540	2,490	1,880	4,630	7,430	1,530	12,100	912	720	843	664
16	4,080	2,120	5,180	1,710	3,680	7,930	1,460	11,800	903	675	770	882
17	2,590	1,590	5,960	2,210	2,710	7,260	1,410	8,790	897	1,480	704	2,350
18	1,600	1,280	4,590	2,920	2,130	4,330	1,370	3,870	910	1,490	670	3,140
19	1,330	1,080	3,560	2,440	1,840	8,910	1,370	2,650	936	1,070	654	3,190
20	3,850	997	2,510	1,620	1,700	13,700	1,360	2,150	1,020	890	645	3,090
21	5,490	1,380	1,820	1,350	5,020	11,700	1,570	2,430	1,060	1,510	639	2,580
22	5,160	1,360	1,540	1,240	10,400	8,470	1,950	2,440	1,080	1,120	869	1,580
23	4,260	1,130	1,380	1,240	13,000	5,800	5,860	1,990	1,110	818	1,050	1,250
24	2,700	966	1,300	1,650	13,900	4,140	6,800	1,660	1,390	758	873	1,240
25	1,650	873	1,270	2,100	11,700	3,370	4,760	1,490	1,620	878	814	1,190
26	1,290	827	1,410	2,970	6,770	5,470	4,100	1,390	1,600	1,130	761	1,720
27	1,100	796	1,720	3,630	6,350	8,930	3,110	1,340	1,320	1,150	713	1,490
28	978	780	1,480	2,930	7,230	8,470	2,070	1,320	1,120	1,090	661	1,230
29	907	767	1,970	2,280	------	9,240	1,690	1,290	975	1,860	619	980
30	870	753	3,500	1,920	------	8,180	1,790	1,230	1,100	2,350	619	891
31	865	------	5,470	1,550	------	5,680	------	1,180	------	2,710	608	------
TOTAL	66,970	30,300	62,023	96,820	140,430	265,100	90,520	108,380	34,598	34,625	33,889	39,495
MEAN	2,160	1,010	2,001	3,123	5,015	8,552	3,017	3,496	1,153	1,117	1,093	1,317
MAX	8,540	2,540	5,960	7,510	13,900	18,600	6,840	12,300	1,620	2,710	2,670	3,190
MIN	474	670	662	1,240	1,080	3,370	1,360	1,180	897	675	608	653
CFSM	1.23	.57	1.14	1.77	2.85	4.86	1.71	1.99	.66	.63	.62	.75
IN.	1.42	.64	1.31	2.05	2.97	5.60	1.91	2.29	.73	.73	.72	.83

CAL YR 1970 TOTAL 597,123 MEAN 1,636 MAX 8,540 MIN 463 CFSM .93 IN 12.62
WTR YR 1971 TOTAL 1,003,150 MEAN 2,748 MAX 18,600 MIN 474 CFSM 1.56 IN 21.20

02473500 Tallahala Creek at Laurel, Miss.

LOCATION.--Lat 31°40'50", long 89°06'55", in NE¼NE¼ sec.8, T.8 N., R.11 W., St. Stephens meridian, Jones County, on right bank at downstream side of bridge on State Highway 15, 0.5 mile upstream from Gulf, Mobile and Ohio Railroad bridge, 0.5 mile southeast of city limits of Laurel, and 6 miles upstream from Tallahoma Creek.

DRAINAGE AREA.--233 sq mi.

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 201.37 ft above mean sea level (Mississippi State Highway Department bench mark). Prior to Dec. 14, 1938, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--33 years, 319 cfs (18.59 inches per year).

EXTREMES.--Current year: Maximum discharge, 8,210 cfs Feb. 23 (gage height, 18.95 ft); minimum, 12 cfs Oct. 5-7 (gage height, 1.82 ft).

Period of record: Maximum discharge, 21,100 cfs Apr. 7, 1964 (gage height, 23.13 ft); minimum, 1.8 cfs Nov. 3, 1952, Oct. 31, Nov. 1, 1963; minimum gage height, 1.21 ft Oct. 31, Nov. 1, 1963.

Maximum stage known since at least 1880, about 26 ft Dec. 9, 1919. Flood in April 1900 reached a stage of about 24 ft, from information by local residents. Flood in April 1938 reached a stage of 20.7 ft, from information by Mississippi State Highway Department.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	65	63	624	193	1.090	1.320	520	83	43	396	30
2	14	62	60	658	161	1,650	1.130	754	70	39	402	123
3	13	56	59	708	140	2,450	1.080	1.000	62	52	463	221
4	13	51	57	741	128	2,630	1.040	1,350	57	71	285	134
5	12	49	55	593	269	3,710	1.040	1.160	52	75	205	79
6	12	46	54	735	604	3.530	1.110	275	51	64	148	120
7	29	44	52	789	796	2.540	845	181	68	49	171	91
8	17	43	50	913	960	1.820	366	158	57	38	247	86
9	25	47	47	1.120	984	1.220	292	156	52	32	177	60
10	24	46	47	1,190	884	647	255	159	51	30	111	47
11	26	61	47	545	807	534	229	148	48	33	84	41
12	39	61	59	383	600	591	209	302	45	31	63	33
13	129	65	146	323	549	773	193	716	41	31	51	31
14	220	119	367	277	661	984	176	947	37	27	45	28
15	376	244	531	239	698	1.020	162	1.500	35	24	41	41
16	436	345	690	218	695	1.050	148	3,020	33	23	37	48
17	377	287	701	215	395	1,170	138	2,230	33	43	33	57
18	141	157	663	201	266	1,430	129	1.500	31	116	32	237
19	134	108	655	174	226	1.860	123	414	29	113	29	359
20	228	139	482	150	224	1,710	118	219	28	101	26	370
21	517	184	236	130	915	1.450	127	283	27	54	26	220
22	687	202	184	118	1,570	1,760	216	324	33	44	29	154
23	883	205	163	120	6,810	2,240	498	264	47	38	78	120
24	1,150	143	144	209	5.700	1.770	807	178	41	50	84	103
25	1,150	107	132	322	3.610	996	893	131	45	84	41	81
26	273	86	121	393	2,600	1,040	639	110	64	64	32	61
27	134	76	107	517	1,940	1.430	237	96	72	238	42	51
28	99	71	98	660	1,410	2,130	180	88	57	314	35	44
29	82	68	128	827	------	3.410	156	160	58	261	27	43
30	71	65	186	688	------	2,590	179	162	47	296	24	44
31	67	------	405	249	------	1,820	------	113	------	387	28	------
TOTAL	7,392	3,302	6,789	15,029	34,795	53,045	14,035	18,618	1,454	2,865	3.492	3,157
MEAN	238	110	219	485	1,243	1,711	468	601	48.5	92.4	113	105
MAX	1,150	345	701	1,190	6,810	3.710	1,320	3,020	83	387	463	370
MIN	12	43	47	118	128	534	118	88	27	23	24	28
CFSM	1.02	.47	.94	2.08	5.33	7.34	2.01	2.58	.21	.40	.49	.45
IN.	1.18	.53	1.08	2.40	5.56	8.47	2.24	2.97	.23	.46	.56	.50

CAL YR 1970 TOTAL 62,491 MEAN 171 MAX 1,150 MIN 12 CFSM .73 IN 9.98
WTR YR 1971 TOTAL 163,973 MEAN 449 MAX 6.810 MIN 12 CFSM 1.93 IN 26.18

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-23	1500	18.95	8,210	3-29	0730	15.80	3,600
3- 5	1930	16.22	4,060	5-16	0530	15.43	3,230

02474500 Tallahala Creek near Runnelstown, Miss.

LOCATION.--Lat 31°19'57", long 89°06'46", in SE¼SE¼ sec.5, T.4 N., R.11 W., St. Stephens meridian, Perry County, on right bank at downstream side of highway bridge between Sunrise and Runnelstown, 3 miles south of Runnelstown, and 9 miles upstream from mouth.

DRAINAGE AREA.--612 sq mi.

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 109.58 ft above mean sea level.

AVERAGE DISCHARGE.--32 years, 871 cfs (19.33 inches per year).

EXTREMES.--Current year: Maximum discharge, 7,810 cfs Feb. 26 (gage height, 15.21 ft); minimum, 49 cfs Oct. 6 (gage height, 0.13 ft).

Period of record: Maximum discharge, 32,800 cfs Feb. 24, 1961 (gage height, 24.84 ft in gage well, 25.07 ft from outside gage); minimum, 29 cfs Oct. 31, 1963; minimum gage height, 0.13 ft, Oct. 6, 1970.

Maximum stage since about 1865, 30½ ft in April 1900, flood in December 1919 reached a stage of 26½ ft, and flood in about 1865 reached a stage between 26½ and 30½ ft, all from information by local residents.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	220	193	1,770	707	4,410	4,360	450	304	149	1,420	109
2	56	208	192	1,710	526	5,660	3,750	931	250	149	1,080	98
3	54	191	166	1,590	455	6,320	2,950	1,330	219	155	1,070	122
4	53	175	177	1,750	416	6,080	2,510	1,570	200	185	1,070	289
5	50	160	167	2,260	741	5,700	2,240	1,850	217	212	714	408
6	50	148	162	2,200	1,290	5,280	2,100	1,710	193	206	504	408
7	68	139	153	1,940	1,940	5,280	2,050	843	193	185	401	331
8	261	132	149	1,850	2,650	5,280	1,680	515	270	162	348	336
9	367	136	145	2,000	2,690	4,690	1,060	463	229	141	524	240
10	160	162	141	2,220	2,360	3,750	829	434	240	121	421	204
11	131	195	141	2,250	1,990	2,230	724	434	252	111	313	163
12	121	209	161	1,580	1,840	1,620	653	578	187	101	246	138
13	272	213	230	1,090	2,080	1,640	599	1,570	163	97	209	129
14	1,590	288	428	913	1,830	2,180	557	2,050	151	134	176	109
15	1,650	663	833	794	1,710	2,510	521	2,120	140	118	156	98
16	1,290	752	1,840	689	1,640	2,480	479	2,330	131	96	144	120
17	1,170	759	2,120	626	1,510	2,250	460	2,960	124	172	131	233
18	862	644	1,840	606	1,090	2,200	434	3,630	120	254	122	266
19	624	456	1,570	578	794	3,390	403	3,540	120	250	126	442
20	987	345	1,410	524	710	4,210	380	1,870	120	324	120	759
21	1,170	358	1,090	463	1,310	4,330	377	864	109	272	162	899
22	1,370	513	676	414	2,850	3,960	421	952	104	194	170	656
23	1,450	494	533	393	3,270	3,420	1,880	843	102	148	118	440
24	1,570	458	479	482	3,700	3,320	1,860	731	134	133	133	326
25	1,790	376	430	689	5,360	3,390	1,760	549	149	173	168	411
26	1,780	295	387	892	7,300	2,970	1,760	424	135	338	151	370
27	882	252	359	910	7,340	2,340	1,580	353	151	311	115	246
28	434	225	375	1,090	5,870	2,750	822	317	170	331	98	194
29	327	211	696	1,290	------	3,420	569	282	172	994	104	166
30	269	201	1,150	1,450	------	4,090	487	302	169	938	107	151
31	237	------	1,550	1,260	------	4,500	------	367	------	1,160	120	------
TOTAL	21,155	9,578	19,963	38,275	66,039	115,650	40,255	37,162	5,218	8,314	10,761	8,863
MEAN	682	319	644	1,235	2,359	3,731	1,342	1,199	174	268	347	295
MAX	1,790	759	2,120	2,260	7,340	6,320	4,360	3,630	304	1,160	1,420	899
MIN	50	132	141	393	416	1,620	377	282	102	96	98	98
CFSM	1.11	.52	1.05	2.02	3.85	6.10	2.19	1.96	.28	.44	.57	.48
IN.	1.29	.58	1.21	2.33	4.01	7.03	2.45	2.26	.32	.51	.65	.54

CAL YR 1970 TOTAL 185,183 MEAN 507 MAX 2,610 MIN 50 CFSM .83 IN 11.26
WTR YR 1971 TOTAL 381,233 MEAN 1,044 MAX 7,340 MIN 50 CFSM 1.71 IN 23.17

02474600 Bogue Homo near Richton, Miss.

LOCATION.--Lat 31°24'12", long 89°01'18", in NE¼NW¼ sec.17, T.5 N., R.10 W., St. Stephens meridian, Perry County, at bridge on county highway, 0.5 mile upstream from Linda Creek, 1.0 mile downstream from Sweetwater Creek, 3.5 miles upstream from State Highway 42, and 6.0 miles northwest of Richton.

DRAINAGE AREA.--344 sq mi.

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1944, 1955-56, 1965. October 1970 to September 1971.

GAGE.--Water-stage recorder. Altitude of gage is 117 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge, 7,800 cfs Mar. 4 (gage height, 18.37 ft); minimum daily, 8.0 cfs Oct. 7.

REMARKS.--Records fair except those for period of no gage-height record, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	75	65	1,070	520	1,400	1,610	177	50	14	439	29
2	11	65	64	684	350	3,510	1,390	153	43	31	476	33
3	10	55	64	530	240	6,280	1,370	196	39	41	327	43
4	9.4	46	64	714	141	7,450	1,100	235	38	31	352	77
5	8.8	40	64	1,380	451	6,140	904	175	40	25	340	277
6	8.3	36	74	1,170	735	4,080	878	119	40	23	152	400
7	8.0	32	111	798	1,100	2,860	905	93	45	26	101	351
8	25	30	128	720	1,200	2,160	777	84	68	22	75	269
9	100	45	139	682	1,200	1,640	501	85	42	20	54	264
10	54	56	149	643	1,150	1,330	337	80	45	18	87	230
11	38	56	165	619	900	1,040	277	94	49	17	103	155
12	30	63	189	608	1,110	770	241	482	67	16	80	89
13	130	67	201	561	1,380	675	211	1,320	53	15	54	58
14	500	125	208	481	1,140	1,170	183	1,390	42	13	44	40
15	700	190	273	399	911	1,170	162	1,070	35	13	38	33
16	630	222	946	351	817	1,210	149	1,110	30	12	33	44
17	540	231	1,040	318	723	1,120	132	1,160	27	21	28	67
18	450	243	718	271	635	1,120	120	1,080	30	27	23	76
19	280	170	537	163	577	1,990	112	712	25	18	21	187
20	380	141	453	121	564	2,210	104	292	24	16	21	300
21	470	98	452	107	948	1,850	101	200	22	16	36	327
22	560	84	447	103	1,430	1,840	143	194	24	15	40	347
23	620	125	436	118	1,480	2,070	907	211	22	17	28	292
24	680	204	428	225	1,450	1,840	1,410	221	20	41	24	239
25	740	182	409	405	1,680	1,460	992	165	19	38	21	380
26	800	121	380	600	2,340	1,370	823	112	18	28	18	301
27	425	71	266	720	2,430	976	815	87	19	22	59	228
28	230	67	169	900	1,890	735	772	86	16	23	52	141
29	150	65	549	1,000	------	1,210	424	67	15	147	38	93
30	115	65	1,120	970	------	1,920	220	58	15	361	29	68
31	90	------	1,310	850	------	2,020	------	53	------	403	27	------
TOTAL	8,804.5	3,070	11,618	18,281	29,492	66,616	18,070	11,561	1,022	1,530	3,220	5,438
MEAN	284	102	375	590	1,053	2,149	602	373	34.1	49.4	104	181
MAX	800	243	1,310	1,380	2,430	7,450	1,610	1,390	68	403	476	400
MIN	8.0	30	64	103	141	675	101	53	15	12	18	29
CFSM	.83	.30	1.09	1.72	3.06	6.25	1.75	1.08	.10	.14	.30	.53
IN.	.95	.33	1.26	1.98	3.19	7.20	1.95	1.25	.11	.17	.35	.59

WTR YR 1971 TOTAL 178,722.5 MEAN 490 MAX 7,450 MIN 8.0 CFSM 1.42 IN 19.33

NOTE.--No gage-height record Oct. 1 to Nov. 9.

02475000 Leaf River near McLain, Miss.

LOCATION.--Lat 31°06'10", long 88°48'30", in SE¼ sec.29, T.2 N., R.8 W., St. Stephens meridian, Greene County, on downstream side of right main pier of bridge on U.S. Highway 98, 1.2 miles east of McLain, 2 miles downstream from Atkinson Creek, 6 miles upstream from Big Oktibee Creek, and 14.6 miles upstream from confluence with Chickasawhay River.

DRAINAGE AREA.--3,510 sq mi, approximately.

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 42.15 ft above mean sea level. Prior to Sept. 8, 1940, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--32 years, 5,067 cfs (19.60 inches per year).

EXTREMES.--Current year: Maximum discharge, 36,800 cfs Mar. 6 (gage height, 22.35 ft); minimum, 855 cfs Oct. 6 (gage height, 2.11 ft).

Period of record: Maximum discharge, 128,000 cfs Feb. 26, 1961 (gage height, 31.64 ft); minimum, 478 cfs Oct. 22, 1963; minimum gage height, 1.78 ft Oct. 28, 29; Nov. 1, 2, 1968.

Flood in April 1900 reached a stage of about 32 ft, from information by local residents.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,050	1,710	1,610	11,400	3,790	18,900	16,200	3,020	1,910	1,770	5,470	1,250
2	985	1,630	1,560	11,500	3,090	19,000	14,500	4,430	1,790	2,450	5,250	1,380
3	935	1,550	1,590	10,300	2,760	24,200	13,100	4,950	1,670	1,990	4,520	1,480
4	900	1,470	1,550	9,430	2,610	30,500	12,700	4,900	1,600	1,950	3,720	1,410
5	885	1,390	1,500	11,600	3,310	34,500	12,000	4,420	1,540	1,720	3,310	1,720
6	865	1,350	1,500	12,200	5,330	36,400	10,300	3,990	1,550	1,550	2,640	2,930
7	965	1,320	1,470	12,400	9,060	34,900	8,740	3,460	1,540	1,400	2,480	3,090
8	1,200	1,280	1,460	10,500	12,300	31,000	7,340	2,620	1,990	1,310	3,040	2,740
9	1,950	1,280	1,470	9,060	13,300	25,800	5,940	2,430	2,200	1,270	2,780	2,420
10	2,140	1,510	1,460	7,910	12,700	20,300	4,700	2,510	1,930	1,360	2,500	2,020
11	1,750	1,690	1,510	7,660	10,100	15,200	4,070	2,510	1,880	1,270	2,230	1,700
12	1,490	1,640	1,550	7,370	8,390	10,900	3,710	4,200	1,870	1,160	2,060	1,480
13	1,990	1,560	1,780	6,230	10,600	9,150	3,440	11,700	1,680	1,090	1,950	1,310
14	6,670	1,800	3,660	5,420	11,100	9,530	3,230	13,400	1,490	1,070	1,830	1,140
15	9,500	2,800	4,060	4,850	10,600	10,900	3,040	14,700	1,400	1,070	1,550	1,100
16	9,380	3,900	9,380	4,320	9,210	12,400	2,870	15,200	1,340	1,090	1,380	1,190
17	6,520	3,630	11,000	3,940	7,840	12,900	2,730	15,600	1,290	1,270	1,250	2,670
18	4,530	3,140	10,500	4,300	6,470	12,700	2,640	15,700	1,240	1,370	1,160	3,560
19	3,380	2,720	8,420	4,800	5,330	12,400	2,580	12,300	1,220	1,440	1,100	3,850
20	5,950	2,310	6,730	4,130	5,750	14,800	2,520	9,400	1,250	1,720	1,150	4,140
21	7,090	2,070	5,460	3,310	8,210	17,300	2,510	7,610	1,550	1,870	1,100	4,340
22	8,670	2,310	4,370	2,920	10,600	18,900	2,670	4,780	1,420	1,600	1,490	3,980
23	7,840	2,460	3,630	2,860	13,700	19,000	3,690	4,310	1,550	1,430	1,960	3,060
24	6,990	2,320	3,310	3,730	15,600	17,000	8,750	3,640	1,600	1,290	1,790	2,500
25	6,180	2,170	3,140	3,920	17,000	13,700	10,500	3,090	1,730	1,250	2,120	3,200
26	4,850	2,020	2,890	4,320	18,400	11,300	8,780	2,670	1,570	1,330	1,720	2,800
27	3,930	1,850	2,810	4,970	20,500	11,100	7,720	2,370	1,660	1,620	1,450	2,790
28	2,800	1,730	2,920	5,510	20,100	12,300	6,380	2,670	1,810	1,690	1,270	2,550
29	2,210	1,680	5,120	5,080	------	13,800	4,460	2,460	1,630	2,030	1,120	2,120
30	1,960	1,650	11,600	4,630	------	16,100	3,300	2,110	1,540	4,970	1,040	1,720
31	1,800	------	11,300	4,350	------	16,900	------	1,980	------	5,810	1,440	------
TOTAL	117,415	59,960	130,310	204,920	277,750	563,780	195,110	189,130	48,440	54,210	67,870	71,690
MEAN	3,788	1,999	4,204	6,610	9,920	18,190	6,504	6,101	1,615	1,749	2,189	2,390
MAX	9,500	3,900	11,600	12,400	20,500	36,400	16,200	15,700	2,200	5,810	5,470	4,340
MIN	865	1,280	1,460	2,860	2,610	9,150	2,510	1,980	1,220	1,070	1,040	1,100
CFSM	1.08	.57	1.20	1.88	2.83	5.13	1.85	1.74	.46	.50	.62	.68
IN.	1.24	.64	1.38	2.17	2.94	5.98	2.07	2.00	.51	.57	.72	.76

CAL YR 1970 TOTAL 1,204,615 MEAN 3,300 MAX 14,700 MIN 865 CFSM .94 IN 12.77
WTR YR 1971 TOTAL 1,980,585 MEAN 5,426 MAX 36,400 MIN 865 CFSM 1.55 IN 20.99

02475500 Chunky River near Chunky, Miss.

LOCATION.--Lat 32°19'35", long 88°54'35", in SE¼SW¼ sec.30, T.6 N., R.14 E., Choctaw meridian, Lauderdale County, on right bank at downstream side of bridge on U.S. Highway 80, 2,500 ft upstream from Illinois Central Railroad bridge, 1.2 miles east of Chunky, 3.2 miles upstream from Tallahatta Creek, and 5.5 miles downstream from Concobona Creek.

DRAINAGE AREA.--368 sq mi.

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1963, published as Chunky Creek near Chunky.

GAGE.--Water-stage recorder. Datum of gage is 269.00 ft above mean sea level. Prior to Mar. 24, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--33 years, 447 cfs (16.50 inches per year).

EXTREMES.--Current year: Maximum discharge, 7,280 cfs May 14 (gage height, 15.60 ft); minimum, 28 cfs Oct. 6, Aug. 30; minimum gage height, 2.53 ft Oct. 6.

Period of record: Maximum discharge, 30,800 cfs Feb. 22, 1961 (gage height, 25.58 ft in gage well, 25.75 ft from outside gage); minimum, 1.6 cfs Sept. 28-30, 1954; minimum gage height, 2.08 ft Oct. 21, 22, 1963.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1724: 1950(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	123	107	2,050	291	2,470	618	3,160	165	240	296	75
2	37	111	105	1,370	246	2,330	1,110	2,600	155	200	200	125
3	34	100	105	587	225	3,440	1,360	937	148	220	197	219
4	31	93	104	852	230	5,390	901	477	146	170	157	266
5	30	92	104	1,620	839	4,520	559	360	142	140	129	167
6	28	88	102	1,270	1,320	2,330	457	306	148	110	117	127
7	31	87	99	595	843	1,300	402	281	347	104	113	174
8	43	85	95	452	719	1,130	367	284	420	95	104	133
9	69	85	95	470	583	780	335	251	293	89	108	102
10	117	93	95	499	407	883	315	269	190	82	219	75
11	96	111	111	495	342	1,270	293	395	140	76	119	64
12	67	109	611	470	485	946	272	1,840	130	65	87	57
13	109	100	915	403	1,210	1,550	257	3,850	105	59	73	52
14	730	207	438	393	1,000	2,260	242	6,530	96	58	64	50
15	540	474	260	1,570	556	2,520	227	3,910	90	55	59	45
16	200	285	552	1,970	441	1,750	216	1,510	83	60	53	109
17	130	179	758	1,710	377	762	211	613	100	398	55	1,440
18	105	145	400	933	332	604	211	427	280	416	54	1,660
19	767	133	271	526	305	1,560	195	341	260	162	50	1,380
20	1,890	133	246	403	888	2,090	303	409	190	100	46	510
21	2,240	201	271	342	2,960	1,780	676	1,060	125	155	43	278
22	1,630	189	243	323	3,850	924	1,160	609	96	155	43	227
23	424	143	238	364	4,790	703	1,020	331	120	102	42	172
24	246	123	867	571	3,500	577	591	263	230	108	40	146
25	191	114	839	753	1,330	762	344	236	180	106	39	230
26	160	111	434	1,050	1,030	1,940	269	216	130	236	36	236
27	135	109	288	816	2,330	2,080	236	195	150	230	34	151
28	118	111	243	522	2,920	1,680	219	287	150	303	32	127
29	118	111	776	390	------	1,060	645	257	240	847	30	113
30	147	111	1,550	345	------	1,270	2,370	208	310	1,190	29	100
31	149	------	2,020	326	------	879	------	179	------	676	42	------
TOTAL	10,653	4,156	13,282	24,440	34,349	53,540	16,381	32,591	5,359	7,007	2,710	8,610
MEAN	344	139	428	788	1,227	1,727	546	1,051	179	226	87.4	287
MAX	2,240	474	2,020	2,050	4,790	5,390	2,370	6,530	420	1,190	296	1,660
MIN	28	85	95	323	225	577	195	179	83	55	29	45
CFSM	.93	.38	1.16	2.14	3.33	4.69	1.48	2.86	.49	.61	.24	.78
IN.	1.08	.42	1.34	2.47	3.47	5.41	1.66	3.29	.54	.71	.27	.87

CAL YR 1970 TOTAL 120,386 MEAN 330 MAX 4,840 MIN 16 CFSM .90 IN 12.17
WTR YR 1971 TOTAL 213,078 MEAN 584 MAX 6,530 MIN 28 CFSM 1.59 IN 21.54

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-23	1000	12.57	5,010	5-14	0700	15.60	7,280
3- 4	1500	13.69	5,790				

02476000 Okatibbee Creek near Meridian, Miss.

LOCATION.--Lat 32°21'15", long 88°45'25", in NE¼NW¼ sec.22, T.6 N., R.15 E., Choctaw meridian, Lauderdale County, near right bank on downstream side of bridge on old U.S. Highway 80, 0.5 mile upstream from Illinois Central Railroad bridge, 0.6 mile west of Meridian city limits, 2 miles downstream from Loper Creek, 4 miles upstream from Sowashee Creek, and at mile 21.5.

DRAINAGE AREA.--239 sq mi.

PERIOD OF RECORD.--August 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 269.43 ft above mean sea level (levels by Corps of Engineers). Prior to Jan. 7, 1939, nonrecording gage; Jan. 7, 1939, to Aug. 28, 1958, water-stage recorder; and Aug. 29, 1958, to June 13, 1961, crest-stage gage; all at same site and datum.

AVERAGE DISCHARGE.--33 years, 285 cfs (16.19 inches per year).

EXTREMES.--Current year: Maximum discharge, 3,090 cfs May 13 (gage height, 15.69 ft); minimum daily, 14 cfs Aug. 28, 30, 31.
Period of record: Maximum discharge, 27,000 cfs Feb. 22, 1961 (gage height, 26.14 ft), from rating curves extended above 12,000 cfs; minimum daily, 0.48 cfs Sept. 11-13, 1952.
Flood in April 1938, reached a stage of 25.3 ft and flood of Mar. 15, 1929, reached a stage of 25 ft, from information by Corps of Engineers. Flood in February of either 1936 or 1937, reached a stage of 25 ft, from information by local resident.

REMARKS.--Records good. Flow regulated since Nov. 26, 1968 by Okatibbee Lake (formerly Okatibbee Reservoir), 16.2 miles upstream. Records of chemical analyses for the current year are published in Part 2 of this report.

COOPERATION.--Nine discharge measurements furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1906: 1953-60(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	621	22	678	225	891	1,330	1,220	51	28	363	25
2	25	615	37	629	216	1,540	1,340	932	47	34	88	99
3	27	615	54	619	141	1,920	1,160	494	44	33	352	290
4	27	611	55	658	132	1,290	1,230	242	40	30	344	312
5	26	609	54	560	323	1,010	1,260	153	39	26	161	143
6	26	603	54	452	492	1,310	1,240	124	45	23	115	146
7	31	599	54	739	490	1,560	982	114	92	27	121	236
8	27	587	54	872	516	1,570	338	106	101	18	113	175
9	26	376	54	908	476	1,510	180	98	68	29	104	130
10	22	96	54	826	434	1,430	128	103	46	23	81	122
11	21	41	59	423	240	1,280	110	402	42	24	42	115
12	18	36	221	346	269	1,400	102	1,370	38	21	62	110
13	39	34	444	328	411	1,820	86	2,770	34	20	48	106
14	67	42	637	341	655	1,300	72	1,910	34	21	27	105
15	43	79	574	770	536	451	68	673	32	20	27	103
16	25	148	649	595	452	962	64	879	33	26	25	158
17	26	170	526	570	334	1,270	60	942	40	92	30	557
18	29	168	358	629	237	1,370	57	990	100	70	23	451
19	653	165	168	778	222	1,610	54	1,050	68	37	21	221
20	937	104	103	572	333	923	52	1,070	40	31	19	182
21	169	85	100	269	2,010	1,070	70	889	34	69	17	266
22	275	80	158	213	2,770	1,290	231	982	33	87	17	260
23	454	77	172	246	1,620	1,360	124	1,010	35	96	17	243
24	587	75	376	261	627	1,340	85	1,000	50	92	16	243
25	631	60	499	285	915	1,450	62	992	60	90	15	365
26	633	30	299	440	1,180	1,810	53	918	36	146	15	278
27	745	26	249	641	975	1,040	48	591	32	131	15	242
28	605	25	144	525	499	1,100	46	237	30	150	14	231
29	459	25	381	266	------	1,340	161	159	31	559	15	224
30	540	24	530	239	------	1,300	1,210	98	31	734	14	218
31	619	------	911	233	------	1,330	------	62	------	1,610	14	------
TOTAL	7,846	6,866	8,050	16,116	17,730	40,847	12,003	22,580	1,406	4,397	2,335	6,356
MEAN	253	229	260	520	633	1,318	400	728	46.9	142	75.3	212
MAX	937	621	911	908	2,770	1,920	1,340	2,770	101	1,610	363	557
MIN	18	24	22	213	132	451	46	62	30	18	14	25

CAL YR 1970 TOTAL 77,289.7 MEAN 212 MAX 1,460 MIN 9.7
WTR YR 1971 TOTAL 146,532.0 MEAN 401 MAX 2,770 MIN 14

02476500 Sowashee Creek at Meridian, Miss.

LOCATION.--Lat 32°22'10", long 88°40'40", in NE¼ sec.17, T.6 N., R.16 E., Choctaw meridian, Lauderdale County, near right bank on upstream side of bridge on U.S. Highway 45, 0.6 mile downstream from Southern Railway System bridge, and 8 miles upstream from mouth.

DRAINAGE AREA.--51.9 sq mi.

PERIOD OF RECORD.--October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 305.95 ft above mean sea level. Prior to Nov. 13, 1959, water-stage recorder and nonrecording gage at site 0.4 mile upstream at datum 3.00 ft higher.

AVERAGE DISCHARGE.--21 years, 56.1 cfs (14.68 inches per year).

EXTREMES.--Current year: Maximum discharge, 3,100 cfs July 31 (gage height, 17.16 ft); minimum daily, 3.7 cfs Oct. 2, 3.
Period of record: Maximum discharge, 9,530 cfs Apr. 6, 1964 (gage height, 20.95 ft, present site and datum); minimum discharge, 0.20 cfs Oct. 4, 1954, and at times during July, August, September, 1957.
Maximum stage known since at least 1900, 29.5 ft in February 1936, at site 0.6 mile upstream at present datum, from information by Southern Railway Company. Flood of Mar. 31, 1949, reached a stage of 26.6 ft, at site 0.6 mile upstream at present datum, from information by Southern Railway Company. Flood of Apr. 8, 1938, reached a stage of 26 ft at site 0.4 mile upstream at present datum, from information by U.S. Weather Bureau. The flood of Feb. 21, 1961, reached a stage 6.7 ft lower than that of the flood in February 1936, at site 0.6 mile upstream.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	10	11	116	34	130	82	152	12	6.8	103	10
2	3.7	9.9	10	80	31	689	215	79	12	20	53	11
3	3.7	9.9	10	63	31	1,260	107	48	12	12	41	19
4	3.9	9.4	12	503	37	237	82	32	11	9.0	68	11
5	4.6	9.0	12	199	150	156	69	25	11	7.4	29	17
6	5.7	9.6	12	101	74	180	59	20	11	6.6	53	25
7	13	9.9	11	74	103	231	53	17	38	9.0	25	24
8	8.2	9.0	11	71	129	126	48	14	23	7.0	17	11
9	31	14	11	80	77	104	44	12	14	6.2	13	10
10	9.9	18	12	69	59	142	40	18	11	5.8	12	9.9
11	5.1	12	18	67	55	103	37	38	11	5.6	11	9.9
12	4.3	11	104	56	123	125	33	846	11	5.4	117	9.4
13	66	13	43	46	114	766	31	1,090	11	8.0	26	9.0
14	60	92	23	41	71	363	28	157	10	7.0	14	8.6
15	17	33	43	277	60	160	25	103	9.9	15	12	8.2
16	9.0	17	152	114	53	116	24	71	9.4	300	9.4	72
17	8.6	13	67	65	46	93	21	49	30	60	12	157
18	17	12	46	70	41	101	19	36	16	25	8.2	34
19	1,230	11	39	53	43	411	17	28	13	50	7.8	22
20	794	57	42	43	164	143	15	42	10	120	7.4	36
21	96	26	36	41	1,550	107	45	40	8.8	40	7.4	29
22	60	18	31	41	762	96	62	22	8.2	20	7.4	17
23	41	15	33	105	181	86	42	18	20	170	7.4	13
24	32	12	53	89	123	70	24	15	10	60	7.0	104
25	26	11	36	116	99	289	17	17	9.0	30	7.0	524
26	20	11	30	95	268	618	14	17	8.4	15	7.0	57
27	17	11	25	63	213	159	14	26	8.0	11	6.6	81
28	13	11	23	59	111	121	13	31	7.6	9.9	6.3	87
29	15	11	440	49	------	160	212	18	7.2	78	6.3	38
30	14	11	230	46	------	109	566	17	7.0	317	6.0	33
31	12	------	331	45	------	86	------	14	------	1,970	5.7	------
TOTAL	2,664.8	516.1	1,957	2,999	4,802	7,537	2,058	3,123	380.5	3,406.7	712.9	1,497.0
MEAN	86.0	17.2	63.1	96.7	172	243	68.6	101	12.7	110	23.0	49.9
MAX	1,230	92	440	503	1,550	1,260	566	1,090	38	1,970	117	524
MIN	3.7	9.0	10	41	31	70	13	12	7.0	5.4	5.7	8.2
CFSM	1.66	.33	1.22	1.86	3.31	4.68	1.32	1.95	.24	2.12	.44	.96
IN.	1.91	.37	1.40	2.15	3.44	5.40	1.48	2.24	.27	2.44	.51	1.07

CAL YR 1970 TOTAL 15,458.3 MEAN 42.4 MAX 1,230 MIN 1.6 CFSM .82 IN 11.08
WTR YR 1971 TOTAL 31,654.0 MEAN 86.7 MAX 1,970 MIN 3.7 CFSM 1.67 IN 22.69

PEAK DISCHARGE (BASE, 1,300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-19	1500	13.76	1,760	5-13	0330	13.91	1,790
2-21	1630	16.32	2,660	7-31	0700	17.16	3,100
3- 3	0900	12.90	1,630				

NOTE.--No gage-height record June 17 to July 27.

02476600 Okatibbee Creek at Arundel, Miss.

LOCATION.--Lat 32°17'55", long 88°45'15", in SE¼SW¼ sec.3, T.5 N., R.15 E., Choctaw meridian, Lauderdale County, on right bank, 100 ft downstream from Hognose Creek, 400 ft upstream from bridge on county road, 0.6 mile southeast of Arundel, and at mile 16.3.

DRAINAGE AREA.--342 sq mi.

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 259.04 ft above mean sea level (Corps of Engineers bench mark). Auxiliary water-stage recorder at bridge 400 ft downstream at same datum.

EXTREMES.--Current year: Maximum discharge, 4,960 cfs Feb. 22 (gage height, 17.44 ft; gage height at auxiliary gage, 17.26 ft); minimum daily, 46 cfs Oct. 5, 12.

Period of record: Maximum discharge, 4,960 cfs Feb. 22, 1971 (gage height, 17.44 ft; gage height at auxiliary gage, 17.26 ft); minimum daily, 20 cfs Oct. 5, 26, 1968. Flood in 1961 reached a stage of 22.2 ft, at county road bridge 400 ft downstream (from information by Corps of Engineers).

REMARKS.--Records fair. Daily discharge computed on basis of gage-height record from auxiliary gage 400 ft downstream. Flow, from 154 sq mi above the station, regulated by Okatibbee Lake, 21.3 miles upstream. Records of chemical analyses for the current year are published in Part 2 of this report.

COOPERATION.--Gage-height record at auxiliary gage and 6 discharge measurements furnished by Corps of Engineers.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	658	63	986	329	1,090	1,490	1,710	128	71	1,820	160
2	48	652	69	824	312	2,170	1,870	1,220	119	158	372	192
3	50	649	91	777	252	3,610	1,490	773	109	113	521	430
4	48	643	91	1,660	239	2,420	1,420	436	97	70	625	421
5	46	640	88	1,330	636	1,420	1,410	320	93	65	359	256
6	47	634	88	728	654	1,550	1,370	260	105	62	284	262
7	81	629	86	820	719	1,880	1,230	236	195	61	259	386
8	64	625	86	950	802	1,740	627	216	180	58	236	275
9	178	486	87	1,050	760	1,640	372	196	136	60	210	188
10	62	193	87	900	545	1,670	302	239	103	54	182	166
11	49	94	107	700	482	1,490	273	508	91	54	129	154
12	46	80	455	620	495	1,540	256	2,290	88	50	249	146
13	284	76	500	560	680	2,360	241	4,220	82	58	148	139
14	255	331	651	500	770	2,340	216	2,840	75	55	105	133
15	103	200	629	1,130	805	1,040	204	1,260	72	51	91	131
16	62	203	862	857	695	1,150	188	1,130	72	60	90	291
17	54	238	647	764	481	1,390	172	1,150	112	658	121	1,170
18	57	226	464	768	372	1,470	164	1,140	188	164	82	660
19	1,920	221	284	858	341	2,240	154	1,160	125	90	74	340
20	2,770	270	211	755	656	1,540	148	1,180	89	99	70	295
21	813	172	191	426	2,770	1,280	196	1,090	76	119	66	329
22	426	141	237	336	4,280	1,440	420	1,070	74	127	62	312
23	546	130	282	483	2,400	1,500	295	1,090	96	143	63	294
24	661	121	517	486	1,130	1,470	208	1,070	114	272	66	320
25	697	112	598	607	1,120	1,650	160	1,070	116	198	62	953
26	692	80	417	651	1,450	2,690	140	1,020	85	190	60	449
27	748	72	326	762	1,640	1,730	133	779	83	236	58	375
28	694	70	241	715	853	1,370	128	425	83	285	56	449
29	532	66	1,040	423	------	1,630	611	273	76	760	54	325
30	570	65	1,020	370	------	1,560	2,030	203	74	1,270	52	297
31	651	------	1,510	352	------	1,490	------	151	------	3,310	51	------
TOTAL	13,314	8,777	12,025	23,148	26,668	53,560	17,918	30,725	3,136	9,021	6,677	10,298
MEAN	429	293	388	747	952	1,728	597	991	105	291	215	343
MAX	2,770	658	1,510	1,660	4,280	3,610	2,030	4,220	195	3,310	1,820	1,170
MIN	46	65	63	336	239	1,040	128	151	72	50	51	131

CAL YR 1970 TOTAL 111,411 MEAN 305 MAX 2,770 MIN 25
WTR YR 1971 TOTAL 215,267 MEAN 590 MAX 4,280 MIN 46

02477000 Chickasawhay River at Enterprise, Miss.

LOCATION.--Lat 32°10'30", long 88°49'15", in SE¼NW¼ sec.24, T.4 N., R.14 E., Choctaw meridian, Clarke County, on right bank at downstream side of bridge on State Highway 513 in Enterprise, 0.5 mile downstream from confluence of Chunky river and Okatibbee Creek, and at mile 158.2.

DRAINAGE AREA.--913 sq mi.

PERIOD OF RECORD.--August 1938 to current year. Gage-height records collected at same site since 1904 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 207.62 ft above mean sea level. Prior to Jan. 6, 1939, U.S. Weather Bureau nonrecording gage. Prior to Oct. 1, 1966, at datum 5.00 ft higher.

AVERAGE DISCHARGE.--33 years, 1,129 cfs (16.79 inches per year).

EXTREMES.--Current year: Maximum discharge, 11,000 cfs May 14 (gage height, 27.01 ft); minimum, 74 cfs Oct. 6 (gage height, 4.46 ft).

Period of record: Maximum discharge, 61,700 cfs Feb. 23, 1961 (gage height, 42.94 ft, present datum); minimum, 18 cfs Sept. 25-30, 1954, Oct. 22-25, 1963; minimum gage height, 3.95 ft (present datum) Oct. 13-20, 23, 24, 1952, Aug. 30, 1957.

Flood in April 1900 reached a stage of 42.2 ft (present datum) from floodmark (from reports of U.S. Weather Bureau).

REMARKS.--Records good. Some regulation since Nov. 26, 1968, by Okatibbee Lake (formerly Okatibbee Reservoir), 38 miles upstream. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1334: 1953. WRD Miss. 1966: 1965.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	859	229	4,000	793	4,410	2,580	5,590	364	587	3,510	300
2	93	817	222	2,970	713	5,330	3,430	5,140	324	426	1,630	719
3	81	795	237	1,900	647	8,060	3,650	3,400	295	513	963	1,430
4	79	769	248	2,930	603	9,530	3,020	1,490	271	320	1,200	1,090
5	76	760	243	4,500	1,490	8,900	2,450	995	276	259	1,070	770
6	74	750	236	3,130	2,430	6,090	2,230	815	250	218	1,050	614
7	99	738	232	1,990	2,160	4,720	2,070	727	423	198	822	916
8	136	732	226	1,820	2,060	4,080	1,560	697	737	195	625	713
9	182	699	225	1,880	1,770	3,280	1,050	633	528	181	516	490
10	267	491	226	1,890	1,360	3,030	894	662	387	172	551	372
11	190	299	241	1,650	1,110	3,310	812	958	295	157	476	316
12	162	264	1,000	1,320	1,140	3,040	749	4,160	246	144	386	285
13	295	240	1,730	1,160	2,250	4,410	702	8,980	221	131	404	262
14	1,170	638	1,470	1,070	2,220	5,660	646	10,600	198	137	280	250
15	1,010	891	1,130	2,790	1,750	5,260	610	9,650	185	128	240	236
16	418	682	1,660	3,450	1,360	4,160	578	5,400	168	126	225	380
17	237	561	1,890	2,960	1,150	2,970	553	3,490	187	1,750	304	3,070
18	198	481	1,300	2,240	952	2,520	529	2,300	661	1,030	225	3,370
19	2,980	449	850	1,640	880	4,370	505	1,820	627	462	197	2,360
20	5,170	554	653	1,500	2,460	4,910	481	1,780	332	299	181	1,410
21	4,850	507	626	1,070	6,500	4,140	1,010	2,350	233	336	169	865
22	3,100	475	614	859	9,570	3,240	1,580	2,040	198	411	165	774
23	1,580	393	624	970	10,400	2,700	1,760	1,660	242	327	157	666
24	1,100	341	1,420	1,370	8,040	2,480	1,200	1,520	535	460	160	688
25	1,050	318	1,780	1,880	4,930	2,710	763	1,460	367	433	146	1,080
26	997	286	1,320	2,050	3,780	5,330	595	1,400	266	500	139	1,220
27	963	252	845	1,930	4,910	5,340	533	1,200	336	642	134	750
28	990	245	699	1,630	4,930	4,380	496	893	332	734	127	743
29	785	239	1,590	1,160	------	3,610	988	693	392	1,400	119	617
30	756	235	3,230	931	------	3,540	4,950	537	714	3,170	115	527
31	865	------	4,210	873	------	3,050	------	413	------	3,070	121	------
TOTAL	30,062	15,760	31,206	61,513	82,358	138,560	42,974	83,453	10,590	18,916	16,407	27,283
MEAN	970	525	1,007	1,984	2,941	4,470	1,432	2,692	353	610	529	909
MAX	5,170	891	4,210	4,500	10,400	9,530	4,950	10,600	737	3,170	3,510	3,370
MIN	74	235	222	859	603	2,480	481	413	168	126	115	236
CFSM	1.06	.58	1.10	2.17	3.22	4.90	1.57	2.95	.39	.67	.58	1.00
IN.	1.22	.64	1.27	2.51	3.36	5.65	1.75	3.40	.43	.77	.67	1.11

CAL YR 1970 TOTAL 291,279 MEAN 798 MAX 5,680 MIN 74 CFSM .87 IN 11.87
WTR YR 1971 TOTAL 559,082 MEAN 1,532 MAX 10,600 MIN 74 CFSM 1.68 IN 22.78

PEAK DISCHARGE (BASE, 10,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-23	0830	26.55	10,600	5-14	2000	27.01	11,000

02478500 Chickasawhay River at Leakesville, Miss.

LOCATION.--Lat 31°08', long 88°33', in SW¼ sec.12, T.2 N., R.6 W., St. Stephens meridian, Greene County, on left bank at downstream side of bridge on State Highway 63, 0.5 mile southeast of Leakesville, 2 miles upstream from Foulk ditch, and 29.1 miles upstream from confluence with Leaf River.

DRAINAGE AREA.--2,680 sq mi, approximately.

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 51.13 ft above mean sea level (levels by Corps of Engineers). Prior to Oct. 19, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--33 years, 3,564 cfs (18.06 inches per year).

EXTREMES.--Current year: Maximum discharge, 26,900 cfs Mar. 6 (gage height, 27.52 ft); minimum, 366 cfs Oct. 6 (gage height, 8.13 ft).

Period of record: Maximum discharge, 73,600 cfs Feb. 28, 1961 (gage height, 33.52 ft); minimum, 160 cfs Oct. 30, 31, 1963 (gage height, 6.74 ft).

Maximum stage known, 38 ft in April 1900; flood in July 1916, reached a stage of 31½ ft, from information by local residents. Flood of Apr. 12, 1938, reached a stage of 34.12 ft (discharge, 68,800 cfs), from information by Corps of Engineers.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1504: 1938-39.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	448	1,470	808	5,880	2,600	18,900	16,500	3,330	1,890	1,210	5,810	750
2	423	1,380	785	6,260	2,310	19,700	15,200	6,740	1,700	1,530	6,380	1,290
3	404	1,410	767	6,380	2,160	22,900	13,700	8,450	1,540	1,870	6,470	2,110
4	391	1,380	755	6,460	2,060	24,800	12,900	9,090	1,440	1,670	6,050	2,960
5	381	1,320	730	7,360	2,710	26,400	12,200	9,090	1,370	1,510	4,000	3,200
6	371	1,280	712	7,370	4,090	26,600	10,800	7,620	1,290	1,400	2,710	2,920
7	381	1,250	704	7,160	6,060	25,800	8,960	4,300	1,220	1,280	2,420	2,520
8	378	1,220	693	7,020	8,740	24,200	7,280	2,920	1,200	1,140	2,280	2,190
9	401	1,240	679	6,470	9,760	22,700	6,100	2,510	1,240	991	3,370	1,920
10	462	1,330	669	5,550	9,030	21,200	5,260	2,360	1,490	924	2,840	1,800
11	510	1,480	672	4,910	7,130	19,700	4,430	2,360	1,610	858	2,140	1,510
12	522	1,410	684	4,450	5,670	17,400	3,860	3,240	1,440	802	1,780	1,250
13	698	1,180	711	4,080	6,240	13,000	3,510	7,120	1,270	778	1,560	1,050
14	1,530	1,120	794	3,630	6,670	10,700	3,240	9,920	1,180	758	1,360	910
15	1,820	1,530	1,670	3,270	6,180	11,800	3,040	11,200	1,090	754	1,200	834
16	1,460	1,720	5,440	3,010	5,700	12,700	2,860	11,900	1,000	774	1,100	822
17	1,770	1,910	6,430	3,320	5,120	13,200	2,690	12,300	937	818	996	1,080
18	1,610	1,940	5,110	4,330	4,190	13,200	2,570	12,800	955	882	902	2,050
19	1,240	1,680	4,280	4,520	3,580	13,600	2,470	13,500	991	1,200	850	2,670
20	1,870	1,430	3,670	4,020	3,830	15,000	2,380	14,100	991	2,060	842	4,040
21	4,440	1,260	2,920	3,300	5,140	16,300	2,290	12,300	1,160	1,980	810	4,320
22	5,850	1,330	2,230	2,930	7,980	16,900	2,240	6,800	1,240	1,540	782	3,600
23	6,420	1,450	1,860	2,670	11,400	16,700	4,940	4,930	1,170	1,150	798	2,480
24	6,600	1,380	1,740	2,550	13,600	15,500	7,460	4,570	1,230	1,000	838	2,010
25	6,160	1,290	1,680	2,680	15,100	13,500	6,800	3,850	1,170	1,000	822	1,830
26	4,270	1,150	1,730	3,190	16,200	11,100	4,780	3,270	1,100	955	762	1,600
27	2,760	1,020	2,370	4,050	17,500	11,700	3,360	2,960	1,270	1,050	714	1,460
28	2,170	939	2,610	4,560	18,400	14,000	2,700	2,930	1,350	1,690	663	1,690
29	1,920	887	3,290	4,550	------	15,900	2,400	2,800	1,400	3,280	628	1,610
30	1,790	839	5,450	4,000	------	17,100	2,220	2,540	1,320	3,300	625	1,370
31	1,680	------	4,930	3,180	------	17,300	------	2,170	------	4,100	653	------
TOTAL	61,130	40,225	67,573	143,110	209,230	539,500	179,140	203,970	38,254	44,254	63,155	59,846
MEAN	1,972	1,341	2,180	4,616	7,473	17,400	5,971	6,580	1,275	1,428	2,037	1,995
MAX	6,600	1,940	6,430	7,370	18,400	26,600	16,500	14,100	1,890	4,100	6,470	4,320
MIN	371	839	669	2,550	2,060	10,700	2,220	2,170	937	754	625	750
CFSM	.74	.50	.81	1.72	2.79	6.49	2.23	2.46	.48	.53	.76	.74
IN.	.85	.56	.94	1.99	2.90	7.49	2.49	2.83	.53	.61	.88	.83

CAL YR 1970 TOTAL 836,480 MEAN 2,292 MAX 12,600 MIN 371 CFSM .86 IN 11.61
WTR YR 1971 TOTAL 1,649,387 MEAN 4,519 MAX 26,600 MIN 371 CFSM 1.69 IN 22.89

02479000 Pascagoula River at Merrill, Miss.
(International Hydrological Decade River Station)

LOCATION.--Lat 30°58'40", long 88°43'35", in SW¼ sec.18, T.1 S., R.7 W., St. Stephens meridian, George County, near right bank on downstream side of bridge on highway between Merrill and Avent, 0.5 mile downstream from confluence of Leaf and Chickasawhay Rivers, 0.5 mile west of Merrill, and at mile 80.8.

DRAINAGE AREA.--6,600 sq mi, approximately.

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for October and November 1930, published in WSP 1304. Gage-height records collected in same vicinity since 1904 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 26.25 ft above mean sea level. Prior to Dec. 6, 1934, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--41 years, 9,250 cfs (19.03 inches per year).

EXTREMES.--Current year: Maximum discharge, 61,000 cfs Mar. 7 (gage height, 23.84 ft); minimum, 1,370 cfs Oct. 5, 6 (gage height, 2.71 ft).

Period of record: Maximum discharge, 178,000 cfs Feb. 27, 1961 (gage height, 30.66 ft); minimum, 696 cfs Nov. 3, 1936; minimum gage height, 1.92 ft Oct. 21-26, 1963.

Maximum stage known, 32.5 ft in April 1900 (from information by U.S. Weather Bureau). Flood of July 9, 1916, reached a stage of 31.0 ft (from reports of U.S. Weather Bureau).

REMARKS.--Records good. Records of chemical analyses and water temperatures for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,770	3,760	2,700	18,300	7,240	36,700	32,000	5,630	4,970	3,630	11,700	2,680
2	1,650	3,490	2,600	18,200	6,130	37,200	31,300	8,150	4,580	5,370	12,700	3,090
3	1,530	3,340	2,570	17,600	5,560	43,300	29,500	11,200	4,240	5,240	12,100	4,260
4	1,440	3,240	2,510	16,300	5,450	51,600	27,200	12,500	3,930	4,920	11,200	4,780
5	1,390	3,120	2,450	18,400	6,150	55,700	25,200	12,900	3,790	4,400	9,820	6,120
6	1,370	3,010	2,380	19,600	9,140	58,600	22,900	12,400	3,650	3,920	7,410	7,750
7	1,480	2,940	2,350	19,900	13,200	59,600	20,400	10,500	3,580	3,590	6,090	7,700
8	1,770	2,870	2,320	18,900	21,000	57,400	17,300	7,190	3,680	3,420	6,300	6,710
9	2,390	2,860	2,310	17,200	23,000	53,300	14,100	5,870	4,240	3,110	6,500	5,840
10	2,960	3,070	2,300	15,400	26,200	48,200	11,500	5,440	4,100	2,960	6,860	4,960
11	2,770	3,460	2,310	13,800	24,300	41,300	9,780	5,280	4,200	2,870	5,900	4,360
12	2,410	3,540	2,370	13,100	17,100	34,900	8,540	6,300	4,290	2,660	5,160	3,780
13	2,630	3,310	2,520	11,800	16,900	29,800	7,760	15,500	3,920	2,590	4,650	3,340
14	7,200	3,480	3,780	10,200	18,200	25,500	7,230	19,700	3,510	2,520	4,280	3,040
15	11,200	4,510	5,260	9,200	18,000	22,700	6,780	22,000	3,280	2,450	3,740	3,140
16	11,900	5,790	13,500	8,260	16,500	22,600	6,390	23,400	3,090	2,420	3,340	3,780
17	9,520	5,900	18,600	7,670	14,600	23,300	6,070	24,500	2,940	2,560	3,090	5,340
18	7,170	5,510	17,900	8,260	12,500	23,800	5,780	25,400	2,840	2,950	2,820	6,560
19	5,660	5,020	15,000	9,620	10,400	24,100	5,630	25,000	2,880	2,990	2,640	7,160
20	8,290	4,450	12,100	9,200	10,300	25,600	5,480	22,600	2,900	3,650	2,580	8,050
21	10,400	3,930	9,910	7,700	14,600	28,500	5,360	22,300	3,130	4,770	2,590	9,260
22	13,300	3,800	7,920	6,610	17,100	31,200	5,370	18,900	3,350	4,370	2,640	9,100
23	13,900	4,190	6,480	6,540	20,400	33,300	6,630	13,400	3,460	3,670	3,490	7,700
24	13,500	4,150	5,800	7,420	23,600	33,300	12,400	9,930	3,630	3,190	3,340	6,110
25	13,000	3,910	5,610	7,420	26,400	31,100	16,500	8,560	3,750	3,060	3,460	6,040
26	11,400	3,640	5,270	7,670	29,400	27,100	15,500	7,400	3,450	3,040	3,310	5,730
27	8,500	3,330	5,240	8,660	33,100	23,600	12,500	6,630	3,420	3,810	2,880	5,260
28	6,170	3,070	5,770	10,100	35,900	22,800	10,400	6,560	3,790	3,820	2,580	5,130
29	4,920	2,890	7,480	10,200	------	24,400	8,150	6,750	3,800	5,760	2,400	4,940
30	4,360	2,790	17,200	9,560	------	28,000	6,440	5,970	3,660	8,630	2,250	4,490
31	4,040	------	19,000	8,420	------	30,900	------	5,390	------	12,300	2,550	------
TOTAL	189,990	112,370	213,510	371,210	482,370	1,089,400	400,090	393,250	110,050	124,640	160,370	166,220
MEAN	6,129	3,746	6,887	11,970	17,230	35,140	13,340	12,690	3,668	4,021	5,173	5,541
MAX	13,900	5,900	19,000	19,900	35,900	59,600	32,000	25,400	4,970	12,300	12,700	9,260
MIN	1,370	2,790	2,300	6,540	5,450	22,600	5,360	5,280	2,840	2,420	2,250	2,680
CFSM	.93	.57	1.04	1.81	2.61	5.32	2.02	1.92	.56	.61	.78	.84
IN.	1.07	.63	1.20	2.09	2.72	6.14	2.26	2.22	.62	.70	.90	.94

CAL YR 1970 TOTAL 2,190,260 MEAN 6,001 MAX 25,400 MIN 1,370 CFSM .91 IN 12.35
WTR YR 1971 TOTAL 3,813,470 MEAN 10,450 MAX 59,600 MIN 1,370 CFSM 1.58 IN 21.49

02479130 Black Creek near Brooklyn, Miss.

LOCATION.--Lat 31°03'06", long 89°12'16", in NW¼NE¼ sec.16, T.1 N., R.12 W., St. Stephens meridian, Forrest County, at bridge on U.S. Highway 49, 1.1 miles southwest of Brooklyn, and 4.5 miles upstream from Chaney Creek.

DRAINAGE AREA.--361 sq mi (revised).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1954-57, 1959, 1964-66. October 1970 to September 1971.

GAGE.--Water-stage recorder. Datum of gage is 128.14 ft above mean sea level (Mississippi State Highway Department bench mark).

EXTREMES.--Current year: Maximum discharge, 5,440 cfs Mar. 3 (gage height, 15.93 ft); minimum daily, 110 cfs Oct. 6.
Flood of Feb. 18, 1961, reached a stage of 25.70 ft (discharge, 21,500 cfs).

REMARKS.--Records good except those for period of no gage-height record, which are poor. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140	205	205	1.970	324	940	980	242	215	346	1.200	332
2	130	200	202	1.500	299	3.010	1.310	229	190	910	1.200	248
3	125	195	198	1.210	286	5.320	1.130	215	176	768	996	243
4	120	190	194	2.260	312	3.850	835	201	164	497	877	247
5	115	187	189	2.010	831	2.180	653	189	166	411	576	368
6	110	185	185	1.170	902	1.780	525	182	172	317	336	696
7	300	186	182	1.010	1.800	1.480	458	177	178	240	347	739
8	450	183	179	1.070	1.860	1.220	382	213	257	193	425	489
9	300	182	177	1.130	1.460	1.010	341	496	230	170	323	328
10	230	220	177	993	1.180	965	314	716	229	153	291	268
11	200	300	183	1.140	994	925	300	686	224	146	257	383
12	250	286	319	1.040	1.510	835	264	1.280	181	136	252	705
13	1.000	250	423	880	1.600	791	271	2.460	158	127	236	437
14	2.500	600	391	783	1.160	722	262	2.590	144	128	213	292
15	1.500	1.000	674	695	933	675	252	1.770	131	149	222	219
16	700	600	2.980	556	783	665	246	1.210	121	146	190	634
17	350	600	1.640	479	674	607	238	647	116	166	152	2.010
18	270	400	1.220	441	595	566	236	562	115	253	136	1.190
19	250	370	1.010	400	502	1.110	293	355	130	223	160	764
20	800	400	853	360	1.690	1.230	331	1.350	183	217	194	667
21	1.000	450	723	340	1.950	1.090	385	2.110	299	391	176	554
22	700	350	577	337	1.570	961	721	1.240	526	521	613	434
23	400	300	445	616	1.210	905	1.150	625	657	434	820	505
24	350	320	590	1.290	913	853	956	403	407	305	472	928
25	280	280	710	939	784	683	672	315	391	325	587	1.310
26	250	250	590	747	1.450	590	478	262	321	424	460	1.430
27	230	230	475	562	1.770	564	357	232	261	429	273	1.210
28	220	220	420	456	1.190	526	300	240	229	382	265	845
29	220	215	1.660	392	------	932	267	309	295	760	175	517
30	220	210	2.840	361	------	1.180	248	350	446	2.210	290	337
31	210	------	2.680	347	------	995	------	271	------	1.350	792	------
TOTAL	13.920	9.756	23.291	27.484	30.617	39.164	15.177	22.327	7.315	13.121	13.446	19.329
MEAN	449	325	751	887	1.093	1.263	506	720	244	423	434	644
MAX	2.500	1.000	2.980	2.260	1.950	5.320	1.310	2.590	657	2.210	1.200	2.010
MIN	110	182	177	337	286	526	236	177	115	127	136	219
CFSM	1.24	.90	2.08	2.46	3.03	3.50	1.40	1.99	.68	1.17	1.20	1.78
IN.	1.43	1.01	2.40	2.83	3.15	4.04	1.56	2.30	.75	1.35	1.39	1.95

WTR YR 1971 TOTAL 234.947 MEAN 644 MAX 5.320 MIN 110 CFSM 1.78 IN 24.21

PEAK DISCHARGE (BASE, 3,500 CFS) - (Period Dec. 2 to Sept. 30)

NOTE: No gage-height record Oct. 1 to Dec. 1.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-16	0830	12.84	3,600	3- 3	1400	15.93	5,440
1- 4	2030	12.98	3,670	7-30	0200	12.79	3,580

02479155 Cypress Creek near Janice, Miss.
(Hydrologic bench-mark station)

LOCATION.--Lat 31°01'30", long 89°01'00", in NW¼NE¼ sec.29, T.1 N., R.10 W., St. Stephens meridian, Perry County, on right bank at downstream side of bridge on State Highway 29, 1.2 miles east of Janice, and 5.5 miles upstream from mouth.

DRAINAGE AREA.--52.2 sq mi.

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 110 ft (from topographic map).

AVERAGE DISCHARGE.--5 years, 68.7 cfs (17.87 inches per year).

EXTREMES.--Current year: Maximum discharge, 1,950 cfs May 12 (gage height, 16.66 ft); minimum daily, 6.6 cfs Oct. 5.
Period of record: Maximum discharge, 7,720 cfs Apr. 13, 1969 (gage height, 26.01 ft); minimum, 4.5 cfs Sept. 2, 3, 1968.
Flood of June 1, 1959, reached a stage of 32.06 ft (discharge, 22,800 cfs).

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	22	22	238	53	151	71	23	26	34	81	31
2	7.8	20	20	135	47	584	192	20	22	167	89	51
3	7.2	20	21	107	46	1,080	154	18	20	137	78	68
4	7.0	19	22	307	63	359	83	17	18	66	42	47
5	6.6	19	21	516	242	188	68	16	19	39	31	188
6	7.2	19	20	195	156	152	60	16	39	26	53	212
7	54	18	19	120	722	145	56	16	26	21	235	173
8	53	18	18	145	612	114	52	24	21	20	174	79
9	32	23	19	159	259	99	49	57	18	17	65	47
10	32	54	19	115	149	127	46	42	17	15	42	37
11	21	42	29	168	120	123	43	29	16	13	32	51
12	15	29	37	148	246	95	40	1,140	15	11	35	46
13	190	25	31	103	352	103	39	1,000	15	10	27	34
14	341	101	25	90	170	119	37	183	14	9.6	19	25
15	103	107	185	82	121	101	35	93	14	9.3	15	21
16	45	51	842	74	101	82	34	62	13	9.0	14	100
17	27	36	318	65	87	67	33	47	14	45	13	286
18	20	31	119	62	78	61	33	36	13	57	12	105
19	93	28	84	57	73	272	35	31	14	22	27	53
20	500	26	69	51	127	186	33	496	20	20	69	43
21	185	24	60	50	474	93	35	696	42	61	34	39
22	83	22	54	52	299	78	51	144	31	34	69	31
23	54	35	50	215	170	94	45	74	62	18	78	31
24	66	42	99	442	106	83	37	53	35	20	111	97
25	97	32	117	192	88	69	28	43	20	48	458	110
26	55	28	72	111	222	73	25	36	16	64	141	102
27	37	27	55	82	458	67	25	31	15	90	50	82
28	31	25	48	68	196	59	25	128	16	162	31	183
29	29	24	410	64	------	197	23	116	18	307	22	72
30	28	23	1,000	62	------	230	23	51	17	343	19	42
31	25	------	435	59	------	96	------	34	------	155	25	------
TOTAL	2,260.4	990	4,340	4,334	5,837	5,347	1,510	4,772	646	2,049.9	2,191	2,486
MEAN	72.9	33.0	140	140	208	172	50.3	154	21.5	66.1	70.7	82.9
MAX	500	107	1,000	516	722	1,080	192	1,140	62	343	458	286
MIN	6.6	18	18	50	46	59	23	16	13	9.0	12	21
CFSM	1.40	.63	2.68	2.68	3.98	3.30	.96	2.95	.41	1.27	1.35	1.59
IN.	1.61	.71	3.09	3.09	4.16	3.81	1.08	3.40	.46	1.46	1.56	1.77

CAL YR 1970 TOTAL 28,196.2 MEAN 77.2 MAX 1,720 MIN 6.6 CFSM 1.48 IN 20.09
WTR YR 1971 TOTAL 36,763.3 MEAN 101 MAX 1,140 MIN 6.6 CFSM 1.93 IN 26.20

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-30	0330	14.67	1,550	5-12	2400	16.66	1,950
3- 3	0230	14.28	1,480				

02479300 Red Creek at Vestry, Miss.

LOCATION.--Lat 30°44'10", long 88°46'5[illegible]", in SW¼SW¼ sec.34, T.3 S., R.8 W., St. Stephens meridian, George County, near center of channel on downstream side of bridge on county highway, 0.5 mile north of Vestry, and 1.1 miles upstream from Little Red Creek.

DRAINAGE AREA.--416 sq mi.

PERIOD OF RECORD.--July 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 20.10 ft above mean sea level.

AVERAGE DISCHARGE.--13 years, 768 cfs (25.07 inches per year).

EXTREMES.--Current year: Maximum discharge, 4,890 cfs Dec. 18 (gage height, 14.02 ft); minimum, 138 cfs Oct. 6; minimum gage height, 4.01 ft July 18.

Period of record: Maximum discharge, 21,500 cfs Dec. 12, 1961; maximum gage height, 18.78 ft Apr. 28, 1964; minimum discharge, 88 cfs Oct. 22, 1963 (gage height, 3.22 ft).

REMARKS.--Records fair. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	205	390	337	3,040	432	2,120	1,010	335	223	265	1,530	603
2	180	361	329	2,360	408	1,540	899	327	213	324	1,650	549
3	165	338	324	1,610	388	1,640	899	316	205	543	1,190	858
4	154	324	321	1,390	388	1,980	833	301	201	625	884	692
5	145	308	292	1,750	628	1,950	731	292	195	628	721	852
6	141	295	274	1,650	969	1,660	658	286	195	500	607	1,980
7	451	288	267	1,620	1,070	1,470	589	285	199	402	471	2,340
8	500	292	259	1,560	2,190	1,390	541	288	238	322	433	1,930
9	350	303	256	1,480	3,320	1,060	514	366	267	265	413	1,100
10	280	349	255	1,280	3,440	1,050	498	441	297	231	380	729
11	230	472	258	1,090	2,060	1,470	486	449	324	210	357	1,090
12	200	508	279	1,090	1,400	1,290	466	466	298	198	330	2,900
13	800	460	313	969	1,800	993	451	1,720	237	191	349	2,780
14	3,000	838	325	858	2,310	861	434	2,730	211	181	380	1,600
15	1,200	1,240	391	801	1,880	792	421	1,690	194	172	305	855
16	600	1,040	3,400	722	1,330	738	412	885	183	172	255	829
17	450	785	4,610	641	1,030	656	403	654	181	169	219	2,050
18	300	645	4,590	589	835	581	396	488	190	164	200	2,550
19	250	551	2,830	549	722	954	428	386	183	172	209	2,140
20	1,000	478	1,630	510	828	1,500	541	338	176	183	201	1,310
21	4,100	510	1,080	482	2,640	1,250	492	325	172	226	661	975
22	3,690	490	822	468	3,210	890	562	388	190	428	432	810
23	1,710	434	685	462	2,630	744	551	470	220	362	514	711
24	986	407	650	480	1,970	680	520	430	253	308	408	639
25	789	390	776	1,070	1,420	656	466	424	222	272	757	649
26	769	376	880	1,040	1,320	628	423	636	204	341	921	580
27	689	373	778	902	2,510	591	391	361	240	730	598	615
28	562	364	656	742	2,800	541	374	291	341	930	466	581
29	508	356	796	602	------	727	359	265	317	914	385	481
30	472	346	1,800	508	------	1,450	345	247	300	939	305	401
31	424	------	2,830	458	------	1,480	------	234	------	1,350	375	------
TOTAL	25,300	14,311	33,293	32,773	45,928	35,352	16,093	17,114	6,869	12,717	16,906	36,179
MEAN	816	477	1,074	1,057	1,640	1,140	536	552	229	410	545	1,206
MAX	4,100	1,240	4,610	3,040	3,440	2,120	1,010	2,730	341	1,350	1,650	2,900
MIN	141	288	255	458	388	541	345	234	172	164	200	401
CFSM	1.96	1.15	2.58	2.54	3.94	2.74	1.29	1.33	.55	.99	1.31	2.90
IN.	2.26	1.28	2.98	2.93	4.11	3.16	1.44	1.53	.61	1.14	1.51	3.24

CAL YR 1970 TOTAL 248,156 MEAN 680 MAX 6,330 MIN 141 CFSM 1.63 IN 22.19
WTR YR 1971 TOTAL 292,835 MEAN 802 MAX 4,610 MIN 141 CFSM 1.93 IN 26.19

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
10-21	1800	13.91	4,590	12-18	0100	14.02	4,890

02479500 Escatawpa River near Wilmer, Ala.

LOCATION.--Lat 30°51'44", long 88°25'04", in NW¼ sec. 19, T. 2 S., R. 4 W., Mobile County, near midstream on downstream side of bridge on U.S. Highway 98 at Alabama-Mississippi State line, 0.2 mile upstream from Gulf, Mobile & Ohio Railroad bridge, 0.5 mile upstream from Rocky Creek, and 4 miles northwest of Wilmer.

DRAINAGE AREA.--506 sq mi.

PERIOD OF RECORD.--August 1945 to current year.

GAGE.--Water-stage recorder. Datum of gage is 55.01 ft above mean sea level.

AVERAGE DISCHARGE.--26 years, 915 cfs (24.56 inches per year).

EXTREMES.--Current year: Maximum discharge, 6,690 cfs Dec. 17 (gage height, 16.34 ft); minimum daily, 110 cfs June 16, 17.
Period of record: Maximum discharge, 30,000 cfs June 2, 1959 (gage height, 24.66 ft); minimum, 37 cfs Sept. 2, 3, 4, 1954.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1624: 1948-49.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	259	308	235	4,690	401	2,580	1,490	365	260	330	3,350	970
2	202	258	225	3,810	373	2,020	1,630	309	230	1,120	2,930	520
3	170	234	221	2,940	357	3,020	2,020	260	200	646	2,600	360
4	148	219	216	2,560	430	4,790	1,810	240	180	743	2,340	1,200
5	132	209	205	3,100	1,180	6,320	1,510	220	160	770	1,790	1,900
6	124	202	197	2,350	1,900	6,300	1,170	220	140	694	1,110	1,300
7	313	196	188	2,120	2,100	4,610	940	240	130	723	932	900
8	394	191	183	2,440	3,030	2,820	800	260	120	565	972	460
9	351	208	182	2,450	3,200	1,920	675	509	120	418	1,180	380
10	523	403	182	2,050	2,990	1,720	562	490	130	349	869	340
11	559	410	188	1,750	2,740	1,680	494	373	140	250	639	460
12	430	336	207	1,570	2,130	1,370	448	396	130	180	605	620
13	593	289	229	1,400	2,340	1,180	410	983	130	220	537	460
14	1,890	683	235	1,250	2,030	1,300	384	1,340	120	270	390	320
15	1,640	1,090	305	1,110	1,590	1,280	362	1,270	120	170	287	274
16	1,130	964	5,620	976	1,310	1,210	343	1,300	110	310	236	335
17	825	777	6,560	876	1,130	1,110	322	1,330	110	1,570	209	1,230
18	575	621	5,340	797	994	936	309	1,000	120	2,100	201	1,310
19	475	499	3,190	697	886	1,600	343	665	150	914	191	1,030
20	1,520	447	2,210	627	1,210	2,450	322	565	130	540	203	753
21	1,730	502	1,760	565	3,250	2,240	309	965	200	415	230	828
22	1,260	457	1,390	540	3,670	1,740	379	848	300	330	251	994
23	956	414	1,080	521	3,050	1,540	807	605	445	270	343	929
24	811	445	929	568	2,200	1,440	862	418	460	230	270	624
25	822	398	961	703	1,710	1,210	753	351	359	280	230	454
26	711	350	943	729	1,940	1,080	729	565	448	320	220	384
27	568	313	766	671	4,030	1,080	897	614	703	1,220	200	365
28	472	286	643	596	3,710	947	983	646	549	1,030	200	314
29	433	265	1,230	531	------	1,270	760	659	365	1,250	200	307
30	413	248	4,250	478	------	2,570	515	463	320	2,490	430	335
31	378	------	5,290	439	------	1,940	------	332	------	4,050	700	------
TOTAL	20,807	12,222	45,360	45,904	55,881	67,273	23,338	18,801	7,079	24,767	24,845	20,656
MEAN	671	407	1,463	1,481	1,996	2,170	778	606	236	799	801	689
MAX	1,890	1,090	6,560	4,690	4,030	6,320	2,020	1,340	703	4,050	3,350	1,900
MIN	124	191	182	439	357	936	309	220	110	170	191	274
CFSM	1.33	.80	2.89	2.93	3.94	4.29	1.54	1.20	.47	1.58	1.58	1.36
IN.	1.53	.90	3.33	3.37	4.11	4.95	1.72	1.38	.52	1.82	1.83	1.52

CAL YR 1970 TOTAL 289,158 MEAN 792 MAX 6,560 MIN 74 CFSM 1.57 IN 21.26
WTR YR 1971 TOTAL 366,933 MEAN 1,005 MAX 6,560 MIN 110 CFSM 1.99 IN 26.98

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-17	0800	16.34	6,690	3-6	0100	16.33	6,680
12-31	1100	14.51	5,390				

02480500 Tuxachanie Creek near Biloxi, Miss.

LOCATION.--Lat 30°30'35", long 88°54'40", in SE¼NW¼ sec.20, T.6 S., R.9 W., St. Stephens meridian, Harrison County, on downstream side of right pier of bridge on State Highway 15, 2.5 miles upstream from mouth, 3.8 miles downstream from Hog Branch, and 7 miles north of city limits of Biloxi.

DRAINAGE AREA.--92.4 sq mi.

PERIOD OF RECORD.--October 1952 to September 1971 (discontinued as a continuous-record station; converted to a crest-stage partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 2.91 ft above mean sea level.

AVERAGE DISCHARGE.--19 years, 177 cfs (26.01 inches per year).

EXTREMES.--Current year: Maximum discharge, 4,030 cfs Dec. 16 (gage height, 14.55 ft); minimum daily, 8.0 cfs July 12.
Period of record: Maximum discharge, 17,700 cfs Sept. 19, 1957 (gage height, 22.22 ft); minimum, 1.6 cfs Sept. 4, 5, 1954.
Flood which occurred sometime during period 1907-9 reached a stage 1 ft higher than that of Sept. 19, 1957, from information by local resident.

REMARKS.--Records poor.

REVISIONS.--WSP 1504: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	61	34	600	40	361	109	14	15	40	518	112
2	31	51	32	350	36	262	254	13	13	70	570	158
3	25	45	31	280	35	487	322	12	12	100	341	707
4	22	40	30	430	37	465	156	11	11	110	171	689
5	19	37	30	640	118	247	96	10	11	100	100	498
6	150	36	29	400	238	170	74	8.7	10	70	88	1,080
7	1,990	34	29	250	161	270	63	8.7	10	55	136	1,160
8	1,350	33	28	300	322	180	55	9.8	9.5	40	162	668
9	542	37	26	370	304	140	50	15	9.0	25	163	278
10	258	88	25	270	165	200	45	19	30	15	75	161
11	156	109	26	250	102	320	41	16	646	10	50	1,110
12	114	73	30	240	238	140	37	22	295	8.0	41	1,500
13	1,100	55	33	200	562	120	35	101	98	9.0	38	663
14	1,580	98	34	150	342	100	31	182	52	8.5	31	293
15	652	502	66	130	172	90	29	100	34	24	26	163
16	295	238	3,120	110	122	80	28	61	24	19	22	496
17	178	115	2,150	98	98	70	27	41	20	17	19	1,230
18	124	80	568	90	81	64	26	29	18	77	18	668
19	143	67	320	82	72	1,400	25	23	16	135	17	291
20	476	66	223	76	597	580	25	20	15	74	16	169
21	693	77	174	72	2,090	300	26	18	20	65	18	174
22	317	73	143	71	1,070	170	27	17	15	151	40	133
23	182	59	122	70	489	130	28	16	25	82	28	120
24	133	49	118	69	278	117	27	15	20	52	88	454
25	114	44	198	67	186	98	26	15	15	112	388	260
26	94	42	350	64	509	84	25	24	13	92	282	136
27	75	41	229	55	1,430	77	22	23	70	208	110	383
28	67	39	145	52	716	68	20	43	60	184	59	225
29	107	38	170	46	------	174	18	53	65	244	37	114
30	107	37	597	45	------	405	16	31	50	560	62	77
31	78	------	1,200	43	------	208	------	20	------	707	174	------
TOTAL	11,213	2,364	10,310	5,970	10,610	7,577	1,763	991.2	1,701.5	3,463.5	3,888	14,170
MEAN	362	78.8	333	193	379	244	58.8	32.0	56.7	112	125	472
MAX	1,990	502	3,120	640	2,090	1,400	322	182	646	707	570	1,500
MIN	19	33	25	43	35	64	16	8.7	9.0	8.0	16	77
CFSM	3.92	.85	3.60	2.09	4.10	2.64	.64	.35	.61	1.21	1.35	5.11
IN.	4.51	.95	4.15	2.40	4.27	3.05	.71	.40	.69	1.39	1.57	5.70

CAL YR 1970 TOTAL 78,179.0 MEAN 214 MAX 3,120 MIN 18 CFSM 2.32 IN 31.47
WTR YR 1971 TOTAL 74,021.2 MEAN 203 MAX 3,120 MIN 8.0 CFSM 2.20 IN 29.80

PEAK DISCHARGE (BASE, 2,500 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-16	2000	14.55	4,030				

02481000 Biloxi River at Wortham, Miss.

LOCATION.--Lat 30°33'30", long 89°07'20", in SE¼SE¼ sec.31, T.5 S., R.11 W., St. Stephens meridian, Harrison County, on downstream side of right main pier of upstream bridge of dual bridges on U.S. Highway 49, 0.8 mile east of Wortham, 1 mile downstream from Illinois Central Railroad bridge, 1 mile upst . -- from Saucier Creek, and 4 miles north of Lyman.

DRAINAGE AREA.--98.3 sq mi.

PERIOD OF RECORD.--October 1952 to current year.

GAGE.--Water-stage recorder. Datum of gage is 21.18 ft above mean sea level (levels by Mississippi State Highway Department).

AVERAGE DISCHARGE.--19 years, 169 cfs (23.35 inches per year).

EXTREMES.--Current year: Maximum discharge, 3,770 cfs Dec. 16 (gage height, 13.39 ft); minimum daily, 8.0 cfs July 12.

Period of record: Maximum discharge, 8,420 cfs Apr. 27, 1964; maximum gage height, 21.08 ft Sept. 18, 1957; minimum discharge, 1.1 cfs Oct. 21, 1963.

Flood in 1948 reached a stage of 23.3 ft, from information by Mississippi State Highway Department. Floods in 1916 and 1928 reached approximately the same stage and were at least 8.5 ft higher than that of Sept. 18, 1957, at a point about 1 mile upstream, from information by local residents.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	52	29	641	51	370	131	18	14	39	500	80
2	27	45	28	383	47	302	165	16	12	76	500	69
3	23	40	27	249	44	560	142	15	10	151	350	131
4	21	38	27	627	46	337	109	14	9.0	155	200	132
5	18	35	26	682	175	236	89	13	10	90	170	346
6	44	33	25	337	222	187	76	12	9.0	75	156	533
7	753	33	24	220	222	230	69	12	8.5	57	109	492
8	590	32	23	260	507	216	63	13	9.0	36	193	262
9	282	33	22	350	468	157	58	21	11	24	184	143
10	240	43	21	264	262	216	54	37	63	18	117	107
11	129	47	27	244	157	275	51	39	95	13	93	834
12	92	50	36	236	273	198	47	182	42	8.0	151	899
13	344	44	40	195	545	155	44	627	23	9.5	125	507
14	641	214	48	168	350	142	41	490	14	9.0	80	269
15	346	204	212	151	206	129	40	182	14	123	48	135
16	181	148	2,710	129	153	114	38	80	15	46	34	564
17	116	90	1,190	109	126	94	35	53	11	23	26	1,080
18	86	65	680	102	109	80	34	40	10	76	21	696
19	111	56	308	94	99	1,150	33	31	9.5	64	58	365
20	1,090	56	208	84	836	627	32	26	20	33	49	198
21	680	65	165	77	1,330	313	36	22	16	413	38	232
22	317	76	138	76	901	198	37	20	13	251	50	165
23	179	62	122	77	588	158	37	19	33	132	78	165
24	138	46	145	76	321	135	36	17	24	80	90	114
25	151	40	242	72	222	116	32	15	14	100	588	90
26	116	36	271	69	802	104	28	19	11	110	282	107
27	87	34	174	63	1,120	95	26	49	69	200	129	110
28	75	33	129	56	622	87	24	49	60	180	75	77
29	73	33	200	52	------	293	22	28	63	300	50	60
30	69	31	646	52	------	383	20	24	62	500	38	49
31	61	------	1,120	52	------	212	------	18	------	700	55	------
TOTAL	7,114	1,814	9,063	6,247	10,804	7,869	1,649	2,201	774.0	4,091.5	4,637	9,011
MEAN	229	60.5	292	202	386	254	55.0	71.0	25.8	132	150	300
MAX	1,090	214	2,710	682	1,330	1,150	165	627	95	700	588	1,080
MIN	18	31	21	52	44	80	20	12	8.5	8.0	21	49
CFSM	2.33	.62	2.97	2.05	3.93	2.58	.56	.72	.26	1.34	1.53	3.05
IN.	2.69	.69	3.43	2.36	4.09	2.98	.62	.83	.29	1.55	1.75	3.41

CAL YR 1970 TOTAL 70,864.0 MEAN 194 MAX 2,710 MIN 15 CFSM 1.97 IN 26.82
WTR YR 1971 TOTAL 65,274.5 MEAN 179 MAX 2,710 MIN 8.0 CFSM 1.82 IN 24.70

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-16	0415	13.39	3,770	9-11	2100	9.74	2,330

02481500 Wolf River near Lyman, Miss.

LOCATION.--Lat 30°35'40", long 89°20'25", in NW¼SW¼ sec.19, T.5 S., R.13 W., St. Stephens meridian, Harrison County, near center of span on downstream side of bridge on State Highway 53, 1 mile upstream from Mill Creek, 1.4 miles downstream from Crane Creek and 15 miles northwest of Lyman.

DRAINAGE AREA.--253 sq mi.

PERIOD OF RECORD.--October 1944 to June 1948. Occasional low-flow measurements, water years 1943, 1953-54, 1959, 1964. September 1964 to September 1971 (discontinued).

GAGE.--Nonrecording gage read twice daily. Datum of gage is 64.40 ft above mean sea level.

AVERAGE DISCHARGE.--9 years (1945-47, 1964-71), 457 cfs (24.53 inches per year).

EXTREMES.--Current year: Maximum discharge not determined; minimum daily, 50 cfs July 12.

Period of record: Maximum discharge, 18,500 cfs Mar. 13, 1947 (gage height, 22.1 ft), from rating curve extended above 7,200 cfs; minimum daily, 21 cfs Nov. 2, 1968.

Flood of Feb. 19, 1961, reached a stage of 20.7 ft, and that of Apr. 27, 1964, reached a stage of 21.9 ft, from floodmarks.

A discharge of 16.7 cfs was measured on Oct. 15, 1963.

REMARKS.--Records poor. Daily discharge published only to indicate general distribution of flow and to effect continuity of record on Wolf River with downstream Station No. 02481510 which was established in August 1971.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	175	130	1,620	190	1,200	450	94	76	140	1,600	245
2	85	150	123	1,190	180	900	500	90	66	200	1,300	195
3	70	140	118	844	170	1,100	450	84	60	400	1,200	477
4	65	130	117	682	170	1,230	350	78	56	420	700	490
5	60	125	110	1,200	250	1,200	300	74	58	350	500	685
6	200	120	105	1,130	500	800	270	70	56	250	400	1,150
7	500	115	100	864	600	840	250	66	54	220	370	1,170
8	1,000	110	95	784	620	800	230	63	54	150	400	724
9	500	120	90	772	1,500	700	215	80	60	110	500	447
10	350	130	85	670	900	600	200	120	150	80	450	307
11	250	140	100	605	600	640	190	140	210	60	300	673
12	180	140	120	493	700	800	180	450	150	50	350	1,330
13	500	120	140	506	1,100	600	170	1,300	90	53	400	886
14	1,600	250	170	516	960	500	160	1,200	76	52	300	628
15	900	600	250	480	876	420	151	800	70	250	170	487
16	400	500	4,000	427	679	370	142	400	72	200	120	1,290
17	250	400	3,000	350	550	320	135	300	68	110	90	3,000
18	200	350	2,000	300	480	300	131	250	64	80	80	1,960
19	250	326	1,100	280	397	1,500	161	[illegible]	64	170	74	1,050
20	1,400	318	700	259	500	1,100	229	[illegible]	80	120	76	778
21	1,100	300	540	250	2,310	800	311	[illegible]	72	600	139	822
22	1,000	259	450	240	1,700	600	434	[illegible]	70	900	298	577
23	500	280	400	245	1,250	470	351	140	90	450	214	508
24	450	173	350	250	1,050	400	237	131	100	290	555	508
25	450	156	500	250	1,010	350	199	125	60	250	1,750	383
26	400	148	600	240	931	325	164	150	56	270	772	318
27	350	146	500	230	1,780	310	137	170	170	500	373	294
28	260	148	400	220	1,500	308	123	150	160	480	233	273
29	240	150	390	210	------	600	112	120	170	580	163	229
30	220	140	1,000	200	------	900	104	100	165	1,000	133	191
31	200	------	2,500	195	------	700	------	86	------	1,500	202	------
TOTAL	14,030	6,359	20,283	16,502	23,453	21,683	7,036	7,561	[illegible]	10,285	14,212	22,075
MEAN	453	212	654	532	838	699	235	244	[illegible]	332	458	736
MAX	1,600	600	4,000	1,620	2,310	1,500	500	1,300	[illegible]	1,500	1,750	3,000
MIN	60	110	85	195	170	300	104	63	[illegible]	50	74	191
CFSM	1.79	.84	2.59	2.10	3.31	2.76	.93	.96	.36	1.31	1.81	2.91
IN.	2.06	.93	2.98	2.43	3.45	3.19	1.03	1.11	.40	1.51	2.09	3.25

CAL YR 1970 TOTAL 157,220 MEAN 431 MAX 4,000 MIN 60 CFSM 1.70 IN 23.12
WTR YR 1971 TOTAL 166,226 MEAN 455 MAX 4,000 MIN 50 CFSM 1.80 IN 24.44

NOTE.--Gage-height record sporadic and available only about one-third of the time. Daily discharge determined on basis of intermittent gage-height record, rainfall records, and records for nearby gaging stations.

02482000 Pearl River at Edinburg, Miss.

LOCATION.--Lat 32°47'55", long 89°21'10" (corrected), in SW¼SW¼ sec.13, T.11 N., R.9 E., Choctaw meridian, Leake County, on right bank 20 ft downstream from bridge on State Highway 16 at Edinburg, 1,100 ft downstream from Hooper Mill Creek, 3 miles upstream from Rice Creek and at mile 387.5.

DRAINAGE AREA.--898 sq mi.

PERIOD OF RECORD.--August 1928 to current year. Gage-height records collected in same vicinity since 1908 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 341.67 ft above mean sea level. Prior to July 2, 1930, nonrecording gage at site 500 ft upstream at datum 0.12 ft higher. July 2, 1930, to Sept. 20, 1938, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--43 years, 1,039 cfs (15.71 inches per year).

EXTREMES.--Current year: Maximum discharge, 15,200 cfs May 15 (gage height, 25.13 ft); minimum, 36 cfs Oct. 7 (gage height, 2.32 ft).
Period of record: Maximum discharge, 31,400 cfs Mar. 8, 1935; maximum gage height, 26.41 ft in gage well, 26.73 ft from outside gage Feb. 24, 1961; minimum discharge, 1.7 cfs Oct. 5, 1954 (gage height, 1.02 ft).
Maximum stage known, 29.0 ft in March 1902, from reports of U.S. Weather Bureau.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1929-30, 1933.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	324	259	1,530	954	6,690	2,360	1,250	259	852	1,870	270
2	62	282	244	1,650	874	6,790	2,710	1,400	226	740	1,970	252
3	50	249	230	1,590	805	7,760	2,620	1,340	192	769	2,220	277
4	44	227	218	1,410	763	7,360	2,610	1,230	162	1,030	2,180	672
5	41	205	205	1,300	1,580	7,020	2,360	1,200	138	1,110	1,690	672
6	38	186	195	1,330	1,570	6,900	2,080	1,260	119	1,110	1,530	421
7	37	166	185	1,370	1,770	6,600	1,860	1,340	140	1,050	1,260	365
8	42	150	175	1,330	1,760	5,870	1,710	1,440	238	849	992	382
9	51	137	168	1,250	1,570	5,010	1,570	1,270	242	514	795	419
10	121	134	161	1,200	1,440	4,250	1,430	2,050	222	305	645	402
11	115	132	157	1,160	1,420	3,450	1,260	2,700	202	218	552	295
12	139	126	177	1,110	1,590	2,840	1,110	3,880	173	168	486	197
13	225	118	248	1,070	1,940	2,750	918	6,000	143	158	429	145
14	365	150	297	978	2,060	3,080	719	8,880	117	117	392	114
15	479	217	306	974	2,090	3,130	582	13,800	96	97	378	93
16	441	240	351	1,120	1,880	3,120	492	14,000	81	81	361	86
17	347	236	446	1,340	1,660	3,230	431	10,600	89	384	334	706
18	285	234	486	1,420	1,470	3,440	389	7,670	508	202	262	946
19	690	238	480	1,240	1,330	3,650	346	5,700	229	147	201	1,680
20	818	367	516	1,050	1,600	3,500	316	4,480	146	163	159	1,740
21	1,060	445	629	936	2,280	3,370	580	3,380	114	271	138	1,270
22	1,910	487	670	912	3,590	3,040	805	2,260	93	249	131	946
23	2,230	460	718	1,000	4,230	2,630	904	1,540	78	329	112	872
24	1,650	412	778	1,090	5,690	2,380	803	1,090	117	492	100	888
25	964	380	794	1,150	8,000	2,430	663	778	412	681	89	856
26	767	360	761	1,210	8,860	2,900	587	569	406	962	79	656
27	733	344	714	1,310	8,480	2,940	566	463	360	1,150	70	380
28	699	326	656	1,280	7,470	3,030	559	484	518	1,430	63	244
29	632	302	708	1,160	------	2,900	499	418	621	1,450	58	184
30	535	276	964	1,070	------	2,630	1,070	348	706	1,660	58	149
31	411	------	1,300	1,020	------	2,490	------	291	------	1,880	109	------
TOTAL	16,061	7,910	14,196	37,560	78,726	127,180	34,909	103,111	7,147	20,658	19,913	16,581
MEAN	518	264	458	1,212	2,812	4,103	1,164	3,326	238	666	642	553
MAX	2,230	487	1,300	1,650	8,860	7,760	2,710	14,000	706	1,880	2,220	1,740
MIN	37	118	157	912	763	2,380	316	291	78	81	58	86
CFSM	.58	.29	.51	1.35	3.13	4.57	1.30	3.70	.27	.74	.71	.62
IN.	.67	.33	.59	1.56	3.26	5.27	1.45	4.27	.30	.86	.82	.69

CAL YR 1970 TOTAL 310,388 MEAN 850 MAX 9,780 MIN 17 CFSM .95 IN 12.86
WTR YR 1971 TOTAL 483,952 MEAN 1,326 MAX 14,000 MIN 37 CFSM 1.48 IN 20.05

02482550 Pearl River near Carthage, Miss.

LOCATION.--Lat 32°42'25", long 89°31'35", in NE¼NE¼ sec.24, T.10 N., R.7 E., Choctaw meridian, Leake County, on right bank at downstream side of bridge on State Highway 35, 2.1 miles south of Carthage, 4.0 miles downstream from Lobutcha Creek, and 10.8 miles upstream from Tuscolameta Creek.

DRAINAGE AREA.--1,347 sq mi.

PERIOD OF RECORD.--September 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 315.24 ft above mean sea level.

AVERAGE DISCHARGE.--9 years, 1,409 cfs (14.21 inches per year).

EXTREMES.--Current year: Maximum discharge, 17,700 cfs May 16 (gage height, 23.02 ft); minimum, 86 cfs Oct. 6, 7 (gage height, 2.84 ft).

Period of record: Maximum discharge, 23,600 cfs Apr. 15, 1969 (gage height, 24.02 ft); minimum, 31 cfs Oct. 30, 1963 (gage height, 2.36 ft).

Maximum stage known, about 27 ft in March 1902; flood in 1900 reached a stage of 25.6 ft; flood in 1932 reached a stage of 24.3 ft; flood of April 11, 1938, reached a stage of 23.3 ft, all from information by Corps of Engineers. Flood of Dec. 20, 1961, reached a stage of 25.4 ft (discharge, 31,900 cfs).

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	147	692	390	2,290	1,350	11,200	3,590	2,130	586	924	3,660	206
2	134	575	361	2,260	1,250	10,000	3,730	2,370	521	1,030	3,580	371
3	119	491	340	2,160	1,170	11,100	3,980	2,400	467	1,050	3,420	395
4	105	431	326	1,970	1,090	12,000	3,900	2,270	413	1,050	3,380	447
5	96	388	312	1,800	2,000	10,500	3,680	2,140	365	1,180	3,010	762
6	88	359	296	1,740	2,700	9,240	3,350	2,110	325	1,330	2,560	737
7	89	325	281	1,770	2,630	8,520	2,960	2,090	326	1,330	2,290	555
8	96	298	267	1,740	2,570	7,930	2,590	1,990	379	1,220	1,890	507
9	108	279	254	1,660	2,430	7,190	2,330	1,980	435	962	1,600	509
10	116	264	245	1,640	2,220	6,320	2,140	2,490	465	644	1,360	525
11	156	270	246	1,650	2,030	5,520	1,960	4,480	423	469	1,120	495
12	335	261	298	1,620	2,070	4,720	1,780	7,300	409	371	986	407
13	749	249	381	1,550	2,650	4,330	1,570	12,800	403	337	959	318
14	941	301	415	1,440	2,840	4,680	1,330	15,900	391	343	821	259
15	921	502	414	1,440	2,800	5,110	1,110	16,500	377	254	697	219
16	848	523	468	1,560	2,690	4,950	952	17,300	363	216	628	205
17	740	471	589	1,750	2,450	4,590	836	17,200	361	529	578	509
18	588	439	617	1,900	2,200	4,450	758	14,500	395	1,110	529	1,110
19	916	426	608	1,800	2,010	4,700	697	11,100	497	747	461	1,560
20	1,820	578	664	1,530	2,220	5,020	639	8,560	542	497	389	1,950
21	1,560	773	1,140	1,320	3,000	5,000	690	6,750	575	665	334	1,990
22	1,660	756	1,200	1,240	4,330	4,710	1,290	5,120	558	720	310	1,560
23	2,090	733	1,090	1,280	5,290	4,310	1,600	3,810	533	641	307	1,200
24	2,210	663	1,100	1,530	5,840	3,970	1,580	2,560	515	641	319	1,090
25	1,790	590	1,070	1,660	6,340	3,700	1,410	1,730	499	750	276	1,070
26	1,240	543	1,000	1,930	8,260	3,950	1,190	1,260	503	1,260	241	992
27	1,010	515	924	1,940	11,600	4,300	994	962	515	2,420	212	757
28	930	490	858	1,910	13,000	4,210	906	1,050	523	3,320	191	525
29	924	453	938	1,740	------	4,100	864	983	730	3,830	175	407
30	1,010	421	1,630	1,570	------	4,060	1,280	861	831	3,660	164	334
31	887	------	2,030	1,450	------	3,850	------	697	------	3,570	160	------
TOTAL	24,423	14,059	20,752	52,840	101,030	188,230	55,686	173,383	14,227	37,070	36,607	21,974
MEAN	788	469	669	1,705	3,608	6,072	1,856	5,593	474	1,196	1,181	732
MAX	2,210	773	2,030	2,290	13,000	12,000	3,980	17,300	831	3,830	3,660	1,990
MIN	88	249	245	1,240	1,090	3,700	639	697	325	216	160	205
CFSM	.59	.35	.50	1.27	2.68	4.51	1.38	4.15	.35	.89	.88	.54
IN.	.67	.39	.57	1.46	2.79	5.20	1.54	4.79	.39	1.02	1.01	.61

CAL YR 1970 TOTAL 477,746 MEAN 1,309 MAX 11,300 MIN 80 CFSM .97 IN 13.19
WTR YR 1971 TOTAL 740,281 MEAN 2,028 MAX 17,300 MIN 88 CFSM 1.51 IN 20.44

02483000 Tuscolameta Creek at Walnut Grove, Miss.

LOCATION.--Lat 32°35', long 89°28', in NW¼ sec.34, T.9 N., R.8 E., Choctaw meridian, Leake County, on right bank at downstream side of bridge on State Highway 35, over north drainage canal, 0.4 mile southwest of Walnut Grove, 0.6 mile upstream from Gulf, Mobile and Ohio Railroad bridge, 7.5 miles upstream from junction of north and south drainage canals, and 15.5 miles upstream from mouth.

DRAINAGE AREA.--411 sq mi (combined drainage area for all channels).

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for October to December 1938, published in WSP 1304.

GAGE.--Water-stage recorder. Prior to June 18, 1939, nonrecording gage and June 18, 1939, to July 13, 1953, water-stage recorder and nonrecording gage, at site 0.2 mile upstream at same datum. Water-stage recorder, on south canal at bridge on State Highway 35, 1 mile south of north canal gage. Prior to Nov. 24, 1943, nonrecording gage and Nov. 24, 1943, to Oct. 21, 1959, water-stage recorder, on south canal at site 1,800 ft downstream, at same datum. Datum of gages is 332.70 ft above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE,--33 years, 467 cfs (15.43 inches per year).

EXTREMES.--Current year: Maximum discharge, 10,800 cfs May 14 (gage height, 17.44 ft, north canal); maximum gage height, south canal, 18.58 ft May 13; minimum daily discharge (combined flow), 10 cfs Oct. 6.

Period of record: Maximum discharge, 34,600 cfs Jan. 7, 1950 (gage height, 23.00 ft, north canal, former site); maximum gage height, south canal, former site, 21.53 ft Jan. 7, 1950; minimum discharge (combined flow), 2.4 cfs Oct. 2, 1954.

Prior to canalization, creek reached a stage of 24.5 ft, former site, from floodmark, sometime between 1920 and 1925.

REMARKS.--Records fair. Discharge computed by combining the flow of individually rated channels.

REVISIONS (WATER YEARS).--WSP 1002: 1943. WSP 1504: 1939-40, 1943-44 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	112	83	2,020	230	2,590	548	3,900	97	158	468	25
2	18	89	82	1,550	195	1,920	1,060	3,550	84	205	149	41
3	14	74	75	757	176	3,300	1,070	1,370	74	100	101	61
4	12	66	77	494	226	4,150	743	328	67	74	87	59
5	11	63	76	989	1,690	4,900	451	201	62	55	103	61
6	10	60	73	836	1,970	3,040	330	162	66	45	115	56
7	11	59	72	548	1,560	1,340	266	146	57	40	165	84
8	11	58	68	340	931	924	230	150	116	36	102	78
9	28	56	64	310	541	617	204	140	121	34	106	45
10	83	66	66	347	372	728	181	305	85	32	200	37
11	90	82	76	373	297	1,050	166	1,160	67	30	117	31
12	76	75	178	356	748	842	154	4,250	54	28	78	26
13	191	66	299	310	1,680	1,560	145	8,440	46	37	62	23
14	528	147	249	312	1,550	2,470	134	9,710	40	32	52	23
15	500	353	192	1,430	977	2,630	125	6,810	35	26	45	23
16	308	300	329	1,990	534	1,600	117	2,960	34	41	42	44
17	130	191	551	1,840	379	607	111	633	32	164	40	1,540
18	71	141	377	1,010	310	400	105	287	32	125	37	2,260
19	576	114	240	464	275	1,750	102	209	32	81	35	2,000
20	1,730	192	216	313	997	2,270	99	501	36	48	31	759
21	2,180	319	230	248	2,150	1,920	297	1,030	38	39	29	194
22	1,580	257	208	225	3,490	871	836	1,100	30	38	32	122
23	498	190	208	283	4,250	514	1,120	409	28	38	30	98
24	207	142	480	479	4,020	394	840	188	27	39	31	166
25	140	110	549	994	1,670	638	384	146	26	55	31	182
26	107	94	434	1,440	1,760	2,340	226	123	26	123	31	106
27	83	91	244	1,040	3,280	2,330	170	188	27	265	26	84
28	73	87	173	677	3,680	1,680	145	560	27	977	23	78
29	89	83	457	394	------	1,080	673	317	42	1,430	22	71
30	151	82	1,370	310	------	1,150	2,970	188	83	1,450	22	61
31	153	------	1,980	272	------	837	------	127	------	1,090	21	------
TOTAL	9,679	3,819	9,776	22,951	39,938	52,442	14,002	49,588	1,594	6,935	2,433	8,438
MEAN	312	127	315	740	1,426	1,692	467	1,600	53.1	224	78.5	281
MAX	2,180	353	1,980	2,020	4,250	4,900	2,970	9,710	121	1,450	468	2,260
MIN	10	56	64	225	176	394	99	123	26	26	21	23
CFSM	.76	.31	.77	1.80	3.47	4.12	1.14	3.89	.13	.55	.19	.68
IN.	.88	.35	.88	2.08	3.61	4.75	1.27	4.49	.14	.63	.22	.76

CAL YR 1970 TOTAL 127,441 MEAN 349 MAX 8,180 MIN 10 CFSM .85 IN 11.53
WTR YR 1971 TOTAL 221,595 MEAN 607 MAX 9,710 MIN 10 CFSM 1.48 IN 20.06

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
2-24	0200	-	4,530	5- 1	2400	-	4,120
3- 5	1200	-	5,030	5-14	0200	-	10,800

02484000 Yockanookany River near Kosciusko, Miss.

LOCATION.--Lat 33°01'55", long 89°34'40", in NE¼NE¼ sec.33, T.14 N., R.7 E., Choctaw meridian, Attala County, on left bank at downstream side of bridge on State Highway 35, 2 miles south of Kosciusko.

DRAINAGE AREA.--314 sq mi.

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1947, published as Yokahockany River near Kosciusko.

GAGE.--Water-stage recorder. Datum of gage is 374.34 ft above mean sea level (levels by Corps of Engineers). Prior to Mar. 28, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--33 years, 392 cfs (16.95 inches per year).

EXTREMES.--Current year: Maximum discharge, 6,550 cfs May 15 (gage height, 15.31 ft); minimum, 11 cfs (Oct. 5-6; minimum gage height, 5.66 ft Sept. 15-16.

Period of record: Maximum discharge, 19,300 cfs Mar. 29, 1951 (gage height, 18.72 ft); minimum, 2.3 cfs Aug. 20-24, 1943; minimum gage height, 0.10 ft Sept. 3-6, 1939.

Flood in December 1932 reached a stage of about 17 ft (from information by Corps of Engineers).

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1946.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	400	73	1,120	154	3,470	965	2,620	51	63	601	65
2	13	152	70	668	121	2,300	936	2,590	46	62	219	43
3	14	102	67	324	106	1,880	1,450	2,500	42	55	154	51
4	13	80	66	334	186	1,860	1,230	1,270	38	39	315	63
5	12	66	65	527	1,120	1,710	705	404	42	31	484	43
6	12	57	58	400	1,800	1,250	380	201	46	25	1,040	39
7	21	52	52	235	1,600	1,270	266	219	35	22	1,140	41
8	21	49	49	190	965	1,240	216	222	37	20	883	33
9	28	78	48	214	457	806	180	161	43	19	441	27
10	27	118	50	362	234	614	155	676	42	18	335	23
11	26	89	56	481	187	695	139	1,710	34	16	439	21
12	714	72	99	407	380	630	125	3,100	31	16	220	19
13	1,890	63	111	283	924	1,220	114	5,140	25	45	123	19
14	1,960	191	84	220	908	2,350	105	5,850	23	60	90	18
15	1,200	261	70	320	607	2,130	90	5,970	22	41	144	17
16	448	170	112	559	664	1,810	82	3,690	20	45	177	45
17	122	117	150	386	665	980	77	1,520	60	1,140	84	753
18	67	100	118	249	440	506	73	550	223	871	62	929
19	125	102	95	180	432	1,350	69	234	52	151	192	386
20	360	357	512	136	1,590	1,800	62	167	31	295	110	119
21	238	497	695	118	2,400	1,460	694	140	25	975	62	73
22	132	287	468	120	3,550	918	2,440	112	24	499	71	57
23	87	168	334	300	3,840	607	2,240	96	23	160	52	46
24	244	123	370	609	3,810	407	1,580	83	20	113	42	39
25	555	97	285	750	2,980	364	586	72	20	1,620	37	36
26	368	87	167	1,160	2,310	900	208	63	56	3,070	32	35
27	144	85	121	867	3,360	1,100	137	57	72	2,660	28	55
28	105	83	104	431	3,230	732	115	127	83	2,550	23	51
29	702	78	304	242		870	176	112	70	2,540	21	44
30	1,430	76	573	201	------	1,610	1,690	80	118	2,000	19	33
31	1,000	------	940	185	------	1,490	------	60	------	1,290	54	------
TOTAL	12,090	4,257	6,366	12,578	39,020	40,329	17,285	39,796	1,454	20,511	7,694	3,223
MEAN	390	142	205	406	1,394	1,301	576	1,284	48.5	662	248	107
MAX	1,960	497	940	1,160	3,840	3,470	2,440	5,970	223	3,070	1,140	929
MIN	12	49	48	118	106	364	62	57	20	16	19	17
CFSM	1.24	.45	.65	1.29	4.44	4.14	1.83	4.09	.15	2.11	.79	.34
IN.	1.43	.50	.75	1.49	4.62	4.78	2.05	4.71	.17	2.43	.91	.38

CAL YR 1970 TOTAL 160,427 MEAN 440 MAX 6,650 MIN 11 CFSM 1.40 IN 19.01
WTR YR 1971 TOTAL 204,603 MEAN 561 MAX 5,970 MIN 12 CFSM 1.79 IN 24.23

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-23	0100	14.27	3,990	5-15	0400	15.31	6,550
2-28	2400	14.04	3,570	7-26	1600	13.69	3,220

02484500 Yockanookany River near Ofahoma, Miss.

LOCATION.--Lat 32°42'20", long 89°40'20", in NE¼NW¼ sec.22, T.10 N., R.6 E., Choctaw meridian, Leake County, near center of main span on downstream side of bridge on State Highway 16, 1.5 miles east of Ofahoma, 3 miles upstream from mouth, and 8.5 miles southwest of Carthage.

DRAINAGE AREA.--484 sq mi.

PERIOD OF RECORD.--October 1943 to current year. Prior to October 1947, published as Yokahockany River near Ofahoma.

GAGE.--Water-stage recorder. Datum of gage is 311.15 ft above mean sea level (levels by Corps of Engineers). Prior to Sept. 5, 1962, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--28 years, 620 cfs (17.40 inches per year).

EXTREMES.--Current year: Maximum discharge, 7,520 cfs Feb. 27 (gage height, 17.51 ft); minimum, 23 cfs Oct. 1-8 (gage height, 2.17 ft).

Period of record: Maximum discharge, 20,700 cfs Mar. 31, 1951 (gage height, 20.28 ft); minimum, 4.9 cfs Aug. 20, Sept. 11, 1954; minimum gage height, 2.17 ft Oct. 1-8, 1970.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1204: 1948. WSP 1504: 1949.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	656	121	865	393	4,280	1,070	879	138	140	2,610	106
2	23	794	117	852	319	4,060	1,520	934	108	173	1,920	221
3	23	877	113	865	271	5,930	1,830	1,560	89	389	1,390	210
4	23	638	109	912	238	4,970	1,500	2,230	77	705	872	131
5	23	268	105	872	467	3,480	1,180	2,460	78	385	486	97
6	23	165	101	673	575	2,520	1,200	2,170	72	150	404	99
7	23	134	98	581	681	2,140	1,190	1,510	64	89	427	86
8	24	117	94	551	837	1,860	937	929	158	65	512	73
9	24	108	88	461	1,080	1,570	623	548	104	52	625	69
10	27	104	83	409	1,320	1,350	443	1,070	67	42	717	64
11	28	113	82	454	1,230	1,300	361	3,340	62	39	719	61
12	94	144	86	495	885	1,160	308	4,050	61	39	573	60
13	431	136	90	531	758	1,300	273	5,410	56	38	495	59
14	670	172	110	537	657	2,120	246	6,540	51	39	434	59
15	616	212	132	494	693	2,120	225	6,040	46	39	276	59
16	803	265	137	443	764	2,130	208	5,970	43	59	208	62
17	1,140	295	133	459	804	2,390	189	5,880	42	64	228	494
18	1,230	247	142	526	741	2,170	176	4,540	357	105	229	782
19	860	193	167	531	693	2,110	168	3,090	528	353	167	773
20	422	182	233	429	804	1,860	161	1,870	359	555	125	835
21	312	255	463	325	894	1,460	201	1,080	176	537	182	766
22	349	378	527	260	1,740	1,480	311	517	89	389	175	467
23	325	444	580	260	2,950	1,650	540	308	61	481	140	210
24	231	420	587	341	4,180	1,590	923	224	88	553	175	142
25	208	292	495	458	4,300	1,300	1,630	182	76	459	121	113
26	264	198	394	645	5,370	1,410	1,860	156	52	905	91	98
27	358	157	338	659	7,050	1,230	1,500	137	43	4,330	79	88
28	388	139	245	715	5,300	1,000	854	243	58	5,110	71	80
29	383	130	274	806	------	1,020	409	229	97	4,230	65	84
30	508	125	486	815	------	1,150	639	197	119	3,880	62	88
31	560	------	788	593	------	1,090	------	174	------	3,300	61	------
TOTAL	10,424	8,358	7,518	17,817	45,994	65,200	22,675	64,467	3,419	27,694	14,639	6,536
MEAN	336	279	243	575	1,643	2,103	756	2,080	114	893	472	218
MAX	1,230	877	788	912	7,050	5,930	1,860	6,540	528	5,110	2,610	835
MIN	23	104	82	260	238	1,000	161	137	42	38	61	59
CFSM	.69	.58	.50	1.19	3.39	4.35	1.56	4.30	.24	1.85	.98	.45
IN.	.80	.64	.58	1.37	3.54	5.01	1.74	4.95	.26	2.13	1.13	.50

CAL YR 1970 TOTAL 213,690 MEAN 585 MAX 6,330 MIN 23 CFSM 1.21 IN 16.42
WTR YR 1971 TOTAL 294,741 MEAN 808 MAX 7,050 MIN 23 CFSM 1.67 IN 22.65

02486000 Pearl River at Jackson, Miss.

LOCATION.--Lat 32°17'20", long 90°10'45", in NE¼SE¼ sec.10, T.5 N., R.1 E., Choctaw meridian, Rankin County, on left bank at downstream side of Woodrow Wilson Bridge at eastern city limits of Jackson, 0.2 mile upstream from Illinois Central Railroad bridge, 0.2 mile upstream from Town Creek, 4.5 miles upstream from Richland Creek, and at mile 287.6.

DRAINAGE AREA.--3,100 sq mi, approximately.

PERIOD OF RECORD.--June 1901 to December 1913 (prior to October 1901 and for 1913, gage heights only), August 1928 to current year. Gage-height records collected at same site since 1904 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 234.90 ft above mean sea level (levels by Corps of Engineers). Prior to Dec. 31, 1913, and Aug. 15, 1928, to Sept. 14, 1934, nonrecording gage at same site and datum. Since Oct. 1, 1962, auxiliary water-stage recorder and concrete control at Jackson waterworks pumping plant 7 miles upstream. Datum of auxiliary gage is 239.40 ft above mean sea level.

AVERAGE DISCHARGE.--54 years (1901-12, 1928-71), 3,739 cfs (16.38 inches per year).

EXTREMES.--Current year: Maximum discharge, 32,100 cfs May 15 (gage height, 32.67 ft at Woodrow Wilson bridge); maximum gage height at waterworks, 29.50 ft May 15; minimum daily discharge, 223 cfs Aug. 30.

Period of record: Maximum discharge, 85,000 cfs Mar. 31, 1902 (gage height, 37.5 ft) from rating curve extended above 57,000 cfs; minimum daily discharge, 45 cfs Oct. 5, 1956, Sept. 18, 1963, regulated; minimum daily unregulated, 78 cfs Oct. 11, 1954; minimum unregulated gage height, 0.20 ft Nov. 4, 5, 1911.

According to information by local residents and from newspaper records, the flood of Apr. 25, 1874, reached a stage of 37 ft; and the flood of Dec. 5, 1880, reached a stage of 36½ ft. The flood of Apr. 21, 1900, reached a stage of 36.7 ft, according to the Alabama and Vicksburg Railroad bridge plans confirmed by local residents.

REMARKS.--Records good. About 30 cfs is diverted upstream from station for municipal water supply for city of Jackson, most of which is returned to river and is included in discharge records. Flow regulated since Sept. 27, 1961, by Ross R. Barnett Reservoir, 19 miles upstream.

REVISIONS (WATER YEARS).--WSP 662: Drainage area. WSP 1504: 1903, 1909.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	272	1,440	1,120	5,290	3,780	23,400	8,150	5,460	1,440	580	9,390	247
2	269	2,440	831	6,760	2,460	23,200	7,530	6,290	1,410	648	9,050	242
3	273	1,250	789	7,230	1,440	28,500	7,080	7,720	1,220	848	8,450	376
4	268	1,080	716	7,540	1,520	28,900	6,950	8,610	848	884	7,380	616
5	268	736	725	7,050	3,040	25,600	6,770	7,850	768	1,310	5,730	659
6	272	703	720	4,960	5,130	24,700	6,900	6,990	745	1,760	5,560	644
7	274	701	723	4,050	5,670	24,600	6,410	6,580	752	1,740	4,350	641
8	273	694	637	3,860	6,390	22,600	5,690	6,420	745	1,750	3,960	634
9	289	696	448	3,780	6,640	19,000	4,860	5,680	665	1,340	4,350	630
10	278	661	436	2,840	5,800	17,100	3,760	5,530	764	1,100	3,680	616
11	282	653	459	2,580	4,540	14,700	3,440	5,690	634	1,090	2,870	616
12	2,970	606	461	2,420	5,210	13,100	3,230	9,680	544	904	2,660	612
13	5,110	741	438	3,730	6,710	14,200	2,070	16,900	534	538	2,550	619
14	4,620	1,440	433	4,160	7,070	15,500	968	26,700	569	502	2,330	612
15	4,410	800	538	4,590	6,950	14,200	928	31,600	490	490	1,760	1,020
16	4,370	865	874	4,630	6,780	13,500	1,150	30,700	477	366	1,310	1,830
17	2,670	1,890	1,020	4,440	6,500	13,200	1,330	30,600	465	1,070	465	5,300
18	1,230	2,630	1,870	4,590	5,100	12,300	1,320	31,700	447	1,295	335	4,600
19	3,130	3,130	1,940	5,460	3,830	11,600	1,300	30,900	465	1,100	307	4,000
20	4,670	3,810	1,950	5,070	3,780	10,700	1,230	27,100	496	1,240	290	3,520
21	6,070	3,620	1,930	2,920	4,900	10,200	3,980	22,500	462	1,740	280	3,370
22	8,340	3,460	1,930	1,550	7,020	9,780	7,370	17,600	361	1,550	273	3,310
23	6,660	3,370	2,260	1,660	9,150	9,450	8,520	15,100	655	1,500	263	3,270
24	6,490	2,780	2,440	1,690	12,100	9,220	7,390	12,200	1,320	1,180	273	3,210
25	4,070	1,720	2,320	3,280	13,500	9,460	6,280	9,620	1,230	1,200	274	3,120
26	2,940	941	2,300	4,990	14,700	11,700	5,610	7,110	1,230	1,610	571	3,020
27	2,610	866	2,250	5,530	20,200	11,600	4,760	4,160	1,420	2,910	460	2,830
28	1,900	852	2,230	5,770	22,900	10,800	3,470	1,880	1,070	5,440	273	1,980
29	3,420	846	3,520	5,340	------	10,700	3,050	1,620	626	8,460	247	1,580
30	3,850	950	4,300	4,390	------	10,500	4,590	1,550	776	10,400	223	924
31	1,750	------	5,370	4,140	------	9,300	------	1,500	------	11,000	254	------
TOTAL	84,318	46,371	48,008	136,340	202,810	483,340	136,086	403,590	23,578	68,458	80,532	54,848
MEAN	2,720	1,546	1,549	4,398	7,243	15,590	4,536	13,020	786	2,209	2,598	1,828
MAX	8,340	3,810	5,370	7,540	22,900	28,900	8,520	31,700	1,440	11,000	9,390	5,300
MIN	268	606	433	1,550	1,440	9,220	928	1,500	361	366	223	242
CFSM	.88	.50	.50	1.42	2.34	5.03	1.46	4.20	.25	.71	.84	.59
IN.	1.01	.56	.58	1.64	2.43	5.80	1.63	4.84	.28	.82	.97	.66

CAL YR 1970 TOTAL 1,075,210 MEAN 2,946 MAX 18,100 MIN 212 CFSM .95 IN 12.90
WTR YR 1971 TOTAL 1,768,289 MEAN 4,845 MAX 31,700 MIN 223 CFSM 1.56 IN 21.22

02487500 Strong River at D'Lo, Miss.

LOCATION.--Lat 31°58'45", long 89°54'05", in SW¼ sec.28, T.2 N., R.4 E., Choctaw meridian, Simpson County, on left bank at downstream side of bridge on old U.S. Highway 49, 460 ft upstream from Illinois Central Railroad bridge, 0.2 mile south of D'Lo, 1,500 ft downstream from Sellers Creek, 1.6 miles upstream from Dabbs Creek, and 2 miles northwest of Mendenhall.

DRAINAGE AREA.--429 sq mi.

PERIOD OF RECORD.--August 1928 to September 1971 (discontinued as a continuous-record station; converted to a crest-stage partial-record station). Monthly discharge only for some periods, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 257.99 ft above mean sea level (Corps of Engineers bench mark). Prior to Oct. 19, 1938, nonrecording gage at site 700 ft upstream at datum 5.00 ft higher.

AVERAGE DISCHARGE.--43 years, 533 cfs (16.87 inches per year).

EXTREMES.--Current year: Maximum discharge, 6,510 cfs May 13 (gage height, 22.02 ft); minimum daily, 31 cfs Oct. 6.
Period of record: Maximum discharge, 24,800 cfs Jan. 7, 1950 (gage height, 33.0 ft, from floodmark); minimum, 12 cfs Sept. 1, 1954, Sept. 20, 1956; minimum gage height, 2.20 ft Sept. 1, 1954.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 697: 1929. WSP 872: Drainage area. WSP 1504: 1932-34, 1938, 1949-50(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	124	101	2,220	231	2,130	654	1,250	119	147	284	63
2	37	116	100	1,650	200	3,130	1,740	1,330	107	156	169	65
3	34	103	100	906	180	4,780	2,280	717	100	125	124	82
4	33	94	100	526	183	4,780	1,380	300	96	106	136	78
5	32	89	97	767	1,210	3,660	659	222	121	97	165	81
6	31	84	96	672	1,370	2,790	459	190	107	76	186	86
7	40	80	93	445	1,170	1,270	370	306	104	72	127	81
8	45	78	93	320	800	834	320	416	94	67	258	73
9	66	78	93	290	570	644	264	306	87	65	242	69
10	127	81	93	298	409	850	260	292	101	64	231	60
11	142	78	100	320	322	1,200	240	1,200	107	62	363	55
12	239	76	142	326	719	1,050	224	4,280	90	61	209	53
13	748	86	144	306	1,790	2,150	207	6,100	84	58	140	51
14	1,030	359	160	287	1,510	3,520	193	6,240	80	57	97	49
15	787	421	171	889	1,070	3,340	183	5,560	76	56	81	49
16	466	414	376	2,300	529	3,000	173	4,200	73	54	73	652
17	190	253	430	2,020	305	1,670	164	1,180	77	144	66	3,220
18	128	181	435	1,610	314	675	156	454	75	153	63	2,170
19	541	150	271	589	277	2,910	152	332	72	131	60	900
20	2,180	139	202	336	1,540	3,260	175	302	72	106	57	359
21	1,750	125	181	262	2,260	2,110	714	300	70	84	57	205
22	1,340	118	168	228	2,720	1,110	1,480	264	75	76	58	155
23	706	178	156	233	2,500	631	2,580	260	72	69	61	127
24	246	144	381	300	1,940	502	1,030	202	77	69	71	109
25	173	122	544	2,520	1,320	903	510	185	77	75	73	133
26	137	115	602	2,560	1,990	3,220	324	171	84	84	61	104
27	119	110	294	962	3,430	2,830	266	152	90	110	57	91
28	110	107	200	529	2,750	1,810	230	150	80	403	57	93
29	127	104	228	365	------	1,270	330	169	158	636	56	84
30	135	103	774	300	------	1,240	610	137	277	782	53	77
31	128	------	2,260	266	------	911	------	125	------	704	54	------
TOTAL	11,936	4,312	9,235	25,587	33,697	64,400	18,547	37,298	2,902	4,939	3,809	9,474
MEAN	385	144	298	825	1,203	2,077	618	1,203	96.7	159	123	316
MAX	2,180	421	2,260	2,560	3,430	4,780	2,580	6,240	277	782	363	3,220
MIN	31	78	93	228	180	502	152	125	70	54	53	49
CFSM	.90	.34	.69	1.92	2.80	4.84	1.44	2.80	.23	.37	.29	.74
IN.	1.04	.37	.80	2.22	2.92	5.58	1.61	3.23	.25	.43	.33	.82

CAL YR 1970 TOTAL 114,506 MEAN 314 MAX 3,170 MIN 31 CFSM .73 IN 9.93
WTR YR 1971 TOTAL 226,134 MEAN 620 MAX 6,240 MIN 31 CFSM 1.45 IN 19.61

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
5-13	2300	22.02	6,510				

02488500 Pearl River near Monticello, Miss.

LOCATION.--Lat 31°33', long 90°05', in SW¼ sec.23, T.7 N., R.21 W., St. Stephens meridian, Lawrence County, near left bank on downstream side of pier of bridge on U.S. Highway 84, 1.0 mile east of Monticello, 2.5 miles upstream from Halls Creek, 3 miles upstream from Silver Creek, and at mile 190.8.

DRAINAGE AREA.--5,040 sq mi, approximately.

PERIOD OF RECORD.--October 1938 to current year. Gage-height records collected in vicinity since 1924, are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 158.66 ft above mean sea level (levels by Corps of Engineers). Prior to Dec. 12, 1938, nonrecording gage; Dec. 12, 1938, to Jan. 10, 1949, water-stage recorder; and Jan. 11, 1949, to Oct. 16, 1952, nonrecording gage, all at same site and datum.

AVERAGE DISCHARGE.--33 years, 5,969 cfs (16.08 inches per year).

EXTREMES.--Current year: Maximum discharge, 32,600 cfs Mar. 7 (gage height, 24.59 ft); minimum, 385 cfs Oct. 6 (gage height, 3.65 ft).

Period of record: Maximum discharge, 63,500 cfs Dec. 25, 1961 (gage height, 29.64 ft); minimum, 269 cfs Oct. 24, 1963.

Flood in April 1902 reached a stage of about 33 ft, from reports of U.S. Weather Bureau (discharge, about 100,000 cfs, from rating curve extended above 70,000 cfs). A discharge of 69,900 cfs was measured Apr. 8, 1938, by Corps of Engineers (gage height, 30.15 ft, from floodmark).

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1504: 1939, 1949.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	572	4,340	1,310	12,500	5,600	22,400	16,300	5,960	2,970	2,550	10,700	670
2	505	2,780	1,430	11,500	5,150	25,500	16,600	8,110	2,730	1,960	11,200	744
3	462	2,540	1,640	9,680	4,460	29,600	18,300	8,790	2,540	2,380	11,200	1,150
4	426	2,750	1,340	9,880	3,270	31,600	17,400	8,980	2,410	1,830	11,000	1,340
5	400	2,110	1,180	9,650	4,180	32,100	14,800	9,380	2,350	1,560	11,000	1,100
6	395	1,710	1,080	9,520	7,030	32,200	12,000	9,920	1,940	1,490	9,970	1,090
7	481	1,400	1,150	8,830	7,740	32,400	10,700	10,100	2,400	1,630	8,170	1,240
8	426	1,170	1,140	7,040	8,700	32,000	10,100	10,400	2,760	2,000	6,860	1,140
9	446	1,150	1,090	5,780	8,790	30,900	9,500	10,800	1,920	2,040	5,760	1,010
10	663	1,190	1,010	5,410	8,440	29,700	8,540	9,390	1,690	1,930	6,620	866
11	583	1,170	812	5,130	8,130	28,700	7,360	9,720	1,600	1,830	6,570	792
12	722	1,110	792	4,450	8,240	27,900	6,320	16,400	1,670	1,410	4,980	770
13	4,220	1,090	866	4,060	11,800	27,100	5,930	22,400	1,500	1,350	3,880	696
14	9,380	2,350	925	4,170	12,400	26,300	5,320	24,400	1,270	1,220	3,130	665
15	9,000	4,730	1,150	5,430	11,200	26,000	4,180	24,900	1,180	955	2,830	670
16	7,020	3,800	2,860	7,820	10,100	25,500	3,200	25,000	1,120	826	2,460	2,860
17	5,900	2,640	2,760	9,050	9,190	24,600	2,920	25,400	1,110	798	2,050	17,900
18	4,990	2,220	2,600	8,570	8,570	23,500	3,120	26,000	1,220	981	1,570	18,800
19	4,820	2,810	2,500	7,520	7,950	25,000	3,420	26,600	1,100	2,170	1,010	15,500
20	8,570	3,480	2,840	6,660	7,480	25,400	3,270	27,400	1,040	1,840	770	10,500
21	10,400	4,310	2,830	6,560	12,400	24,500	4,570	28,300	1,190	1,490	701	6,360
22	9,620	4,610	2,800	5,770	14,200	22,800	7,840	29,000	1,060	1,450	767	4,700
23	8,950	4,370	2,760	3,970	14,900	20,100	10,700	29,300	1,030	1,790	670	4,020
24	8,950	4,160	2,890	3,120	14,000	16,900	13,700	28,900	988	1,820	665	3,900
25	8,210	3,950	3,840	3,580	13,200	14,500	13,000	27,600	1,360	1,830	732	3,780
26	7,250	3,320	3,930	7,880	15,200	15,400	11,200	25,500	1,420	1,670	645	3,600
27	5,270	2,420	3,730	9,490	20,300	18,400	9,440	22,800	1,910	1,730	591	3,480
28	4,140	1,670	3,340	8,090	21,800	19,300	8,150	18,100	2,060	2,440	645	3,270
29	3,620	1,430	3,270	7,330	------	19,200	6,830	9,460	2,040	4,000	706	2,850
30	3,950	1,350	4,840	7,050	------	18,800	5,900	4,290	1,860	8,920	568	2,740
31	4,970	------	10,000	6,410	------	17,700	------	3,360	------	9,610	500	------
TOTAL	135,311	78,130	74,755	221,900	284,450	766,200	270,610	547,960	51,904	67,280	128,740	117,390
MEAN	4,365	2,604	2,411	7,158	10,160	24,720	9,020	17,680	1,730	2,170	4,153	3,913
MAX	10,400	4,730	10,000	12,500	21,800	32,400	18,300	29,300	2,970	9,610	11,200	18,800
MIN	395	1,090	792	3,120	3,270	14,500	2,920	3,300	988	798	500	665
CFSM	.87	.52	.48	1.42	2.02	4.90	1.79	3.51	.34	.43	.82	.78
IN.	1.00	.58	.55	1.64	2.10	5.66	2.00	4.04	.38	.50	.95	.87

CAL YR 1970 TOTAL 1,576,601 MEAN 4,319 MAX 19,300 MIN 395 CFSM .86 IN 11.64
WTR YR 1971 TOTAL 2,744,642 MEAN 7,520 MAX 32,400 MIN 395 CFSM 1.49 IN 20.26

02488700 Whitesand Creek near Oak Vale, Miss.

LOCATION.--Lat 31°28', long 89°58', in SW¼ sec.24, T.6 N., R.20 W., St. Stephens meridian, Lawrence County, near right bank on downstream side of bridge on State Highway 43, 1.2 miles upstream from Illinois Central Railroad bridge, 2.3 miles north of Oak Vale, and 3.7 miles upstream from mouth.

DRAINAGE AREA.--131 sq mi.

PERIOD OF RECORD.--September 1965 to current year.

GAGE.--Water-stage recorder.' Datum of gage is 192.20 ft above mean sea level (from information by Mississippi State Highway Department).

AVERAGE DISCHARGE.--6 years, 144 cfs (14.93 inches per year).

EXTREMES.--Current year: Maximum discharge, 2,380 cfs Mar. 3 (gage height, 8.26 ft); minimum, 72 cfs Oct. 1-2.

Period of record: Maximum discharge, 4,490 cfs Feb. 13, 1966 (gage height, 10.54 ft); minimum, 66 cfs Aug. 1, 1968.

Flood of Mar. 28, 29, 1961, reached a stage of 17.11 ft (15,900 cfs), from floodmark. Maximum stage known since at least 1879, 20½ ft in April 1900 and flood in January 1925 reached a stage of 17.3 ft (from information by local residents).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	77	77	292	91	365	154	92	101	128	121	95
2	75	76	76	153	89	1,190	283	92	101	101	101	236
3	83	75	76	127	88	2,070	300	92	100	100	111	239
4	82	75	76	340	94	1,160	201	92	98	97	98	152
5	82	74	75	520	215	416	162	92	98	97	94	114
6	83	75	75	259	194	275	142	92	100	95	91	114
7	89	75	75	154	190	244	130	92	101	95	88	106
8	93	75	75	137	306	216	123	98	116	95	87	95
9	89	76	75	140	226	187	118	98	104	95	85	91
10	87	79	75	136	151	183	114	92	100	95	85	130
11	85	78	79	131	131	192	111	97	98	95	84	98
12	98	76	146	126	225	194	109	1,080	98	95	84	108
13	203	79	171	120	328	300	106	1,420	98	94	83	138
14	312	123	107	116	195	226	104	750	98	94	81	94
15	154	124	143	112	148	196	101	266	98	94	81	85
16	98	95	448	106	133	166	101	181	98	94	80	152
17	86	84	343	103	123	148	100	148	98	100	78	289
18	83	81	152	102	115	144	98	130	98	119	78	324
19	90	81	125	99	111	900	98	121	98	95	78	150
20	107	86	114	95	109	1,110	97	255	98	97	78	127
21	100	87	108	94	257	342	98	261	98	98	81	112
22	88	83	104	94	379	236	111	146	98	97	85	101
23	83	80	101	103	236	199	140	123	98	95	84	94
24	81	78	100	129	158	174	138	114	100	94	87	204
25	80	77	98	122	136	176	112	112	106	94	85	174
26	79	77	95	109	239	199	100	109	98	94	95	123
27	78	78	93	100	471	179	97	106	97	103	87	109
28	79	78	92	96	315	162	95	104	97	98	83	97
29	79	77	112	94	------	206	94	103	98	97	80	91
30	79	77	179	94	------	234	94	101	111	101	80	88
31	78	------	411	93	------	176	------	101	------	104	81	------
TOTAL	3,056	2,456	4,076	4,496	5,453	12,165	3,831	6,760	3,000	3,050	2,694	4,130
MEAN	98.6	81.9	131	145	195	392	128	218	100	98.4	86.9	138
MAX	312	124	448	520	471	2,070	300	1,420	116	128	121	324
MIN	73	74	75	93	88	144	94	92	97	94	78	85
CFSM	.75	.63	1.00	1.11	1.49	2.99	.98	1.66	.76	.75	.66	1.05
IN.	.87	.70	1.16	1.28	1.55	3.45	1.09	1.92	.85	.87	.77	1.17

CAL YR 1970 TOTAL 38,202 MEAN 105 MAX 578 MIN 71 CFSM .80 IN 10.85
WTR YR 1971 TOTAL 55,167 MEAN 151 MAX 2,070 MIN 73 CFSM 1.15 IN 15.67

PEAK DISCHARGE (BASE, 2,300 CFS).--No peak above base.

02489500 Pearl River near Bogalusa, La.

LOCATION.--Lat 30°47'35", long 89°49'15", on line between secs. 17 and 18, T.3 S., R.14 E., Washington Parish, near right bank on downstream side of bridge on State Highway 10, 2.0 miles east of Bogalusa, and 2.0 miles upstream from Bogue Lusa Creek.

DRAINAGE AREA.--6,630 sq mi, approximately.

PERIOD OF RECORD.--October 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft above mean sea level (levels by Corps of Engineers). Prior to July 29, 1954 nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--33 years, 8,582 cfs (17.58 inches per year).

EXTREMES.--Current year: Maximum discharge, 39,700 cfs Mar. 10 (gage height, 19.61 ft); minimum, 1,440 cfs Oct. 6 (gage height, 5.67 ft).

Period of record: Maximum discharge, 88,200 cfs Feb. 23, 1961 (gage height, 21.70 ft); minimum, 1,020 cfs Oct. 29 to Nov. 1, 1963; minimum gage height, 4.84 ft Oct. 30, 31, 1963.

Flood of Apr. 11, 1938, reached a stage of 21.0 ft.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,970	4,510	2,860	11,000	7,940	19,800	24,900	7,980	11,000	4,280	8,720	2,870
2	1,910	5,020	2,720	12,700	7,340	24,100	23,500	7,070	7,430	4,510	11,200	2,750
3	1,750	4,830	2,640	13,600	6,640	30,700	21,800	7,440	5,820	5,040	11,900	2,880
4	1,610	4,140	2,620	13,100	6,160	33,800	20,700	8,310	5,150	5,970	12,200	3,230
5	1,520	3,620	2,700	13,200	6,180	34,900	20,600	8,980	4,760	6,060	12,100	3,520
6	1,460	3,620	2,660	13,900	6,560	35,800	20,500	9,320	4,550	4,950	11,800	3,760
7	1,820	3,370	2,530	12,600	7,900	37,100	18,700	9,700	4,430	3,980	11,600	3,670
8	2,620	3,060	2,420	11,400	10,500	38,100	15,800	10,500	4,210	3,600	11,000	3,440
9	2,730	2,900	2,380	10,500	11,800	38,500	13,200	11,600	4,280	3,500	10,000	3,300
10	2,310	2,900	2,400	9,140	11,600	39,500	11,900	12,600	4,590	3,600	8,840	3,160
11	1,940	2,910	2,420	7,970	11,000	39,500	11,000	12,100	4,280	3,640	7,890	3,320
12	1,970	2,820	2,540	7,500	10,300	39,300	9,930	12,500	4,010	3,570	7,930	4,070
13	3,310	2,660	3,120	6,990	11,000	39,100	8,780	18,800	3,700	3,370	7,900	4,190
14	6,180	2,770	3,200	6,280	12,100	37,900	7,750	24,200	3,540	3,180	6,960	3,520
15	8,320	3,500	2,960	5,770	13,400	37,300	7,100	27,300	3,390	3,020	5,820	3,020
16	9,670	4,080	4,690	5,660	13,800	36,600	6,460	28,300	3,150	2,920	5,070	3,400
17	9,100	4,860	7,140	6,470	12,900	35,600	5,480	29,300	3,040	2,800	4,680	5,580
18	7,620	4,640	6,830	8,180	11,700	34,700	4,640	29,900	3,260	2,740	4,380	8,550
19	6,470	3,990	5,420	9,250	10,700	34,300	4,280	30,500	2,990	2,820	4,060	14,500
20	5,780	3,520	4,470	9,140	10,600	34,000	4,210	30,800	2,950	2,800	3,740	17,800
21	6,230	3,610	4,100	8,390	10,800	34,200	4,350	32,400	3,010	4,100	3,230	18,000
22	8,250	4,060	4,100	7,690	10,700	34,500	5,130	34,300	2,970	5,840	2,950	14,500
23	9,560	4,540	4,060	7,530	13,600	34,500	6,300	35,100	3,100	4,480	2,990	10,400
24	9,560	4,860	4,120	8,180	15,700	33,800	8,290	34,700	3,280	3,700	3,040	8,210
25	9,140	4,810	4,500	7,460	16,500	32,100	10,600	34,700	3,600	3,830	2,950	7,730
26	8,960	4,640	4,480	6,040	16,300	27,900	12,900	34,700	3,500	4,100	2,820	7,870
27	8,480	4,470	4,660	5,780	16,600	21,800	13,400	35,400	3,450	4,160	2,750	7,080
28	7,680	4,160	4,730	8,140	17,900	19,400	12,200	35,400	3,920	4,270	2,650	6,320
29	6,300	3,690	4,870	9,490	------	20,100	10,600	34,700	3,870	4,240	2,460	5,870
30	5,160	3,180	7,620	8,980	------	22,500	9,200	31,800	4,100	4,760	2,370	5,490
31	4,560	------	9,640	8,330	------	24,700	------	20,500	------	6,660	2,490	------
TOTAL	163,940	115,740	125,600	280,360	318,220	1,006,100	354,200	700,900	125,330	126,590	198,490	192,000
MEAN	5,288	3,858	4,052	9,044	11,360	32,450	11,810	22,610	4,178	4,084	6,403	6,400
MAX	9,670	5,020	9,640	13,900	17,900	39,500	24,900	35,400	11,000	6,660	12,200	18,000
MIN	1,460	2,660	2,380	5,660	6,160	19,400	4,210	7,070	2,950	2,740	2,370	2,750
CFSM	.80	.58	.61	1.36	1.71	4.89	1.78	3.41	.63	.62	.97	.97
IN.	.92	.65	.70	1.57	1.79	5.64	1.99	3.93	.70	.71	1.11	1.08

CAL YR 1970: TOTAL 2,087,010 MEAN 5,718 MAX 20,400 MIN 1,460 CFSM .86 IN. 11.70
CAL YR 1971: TOTAL 3,707,470 MEAN 10,160 MAX 39,500 MIN 1,460 CFSM 1.53 IN. 20.79

02490500 Bogue Chitto near Tylertown, Miss.

LOCATION.--Lat 31°11', long 90°17', in SE¼ sec.34, T.3 N., R.9 E., Washington meridian, Pike County, near right bank on downstream side of bridge on U.S. Highway 98, 0.2 mile upstream from Fernwood, Columbia and Gulf Railroad bridge, 0.2 mile upstream from Bars Branch, 2.2 miles downstream from Topisaw Creek, and 9 miles northwest of Tylertown.

DRAINAGE AREA.--502 sq mi.

PERIOD OF RECORD.--August 1944 to current year.

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft above mean sea level.

AVERAGE DISCHARGE.--27 years, 753 cfs (20.37 inches per year).

EXTREMES.--Current year: Maximum discharge, 8,930 cfs Sept. 17; maximum gage height, 17.63 ft Mar. 3; minimum discharge, 200 cfs Oct. 10-12; minimum gage height, 6.36 ft Aug. 30-31.

Period of record: Maximum discharge, 45,700 cfs Jan. 7, 1950 (gage height, 33.50 ft); minimum, 175 cfs Oct. 31, 1963; minimum gage height, 6.36 ft Sept. 29 to Oct. 1, Oct. 4-6, 1969, Aug. 30-31, 1971.

Flood in February 1936 reached a stage 1.2 higher than the flood of Jan. 7, 1950, at the railroad bridge, 0.2 mile downstream.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1945(P), 1946(M), 1947-51, 1953.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	259	393	243	2,490	289	3,200	1,810	273	327	411	1,100	281
2	232	315	240	1,900	280	4,310	1,020	268	318	870	660	295
3	219	278	240	975	275	7,970	1,280	261	309	961	482	348
4	211	257	238	1,130	279	7,110	923	256	309	835	436	354
5	205	247	236	1,550	552	4,820	641	254	324	523	523	330
6	204	241	236	916	1,020	2,400	527	252	345	427	617	327
7	208	237	233	640	980	1,110	462	266	385	388	456	315
8	205	234	232	541	1,130	906	417	332	324	351	376	289
9	205	237	233	510	1,260	752	389	708	300	330	436	267
10	202	233	234	495	866	662	368	604	295	315	401	261
11	201	231	240	479	604	626	351	487	315	312	360	278
12	242	232	258	447	844	607	337	3,790	303	303	330	388
13	1,320	234	259	416	2,030	546	325	7,370	295	295	309	275
14	2,190	462	265	394	1,910	566	317	4,470	278	292	295	256
15	1,620	1,040	286	375	1,390	521	309	3,280	267	286	281	253
16	762	1,050	1,430	352	745	455	302	1,390	261	284	275	1,760
17	431	525	2,110	340	587	412	297	787	258	303	267	6,810
18	342	386	1,400	331	499	392	296	610	267	336	258	7,300
19	390	334	676	318	447	1,270	330	510	289	298	256	5,150
20	1,100	310	508	307	413	2,890	340	920	281	336	256	2,450
21	1,340	299	425	298	460	3,220	328	1,700	303	861	253	1,260
22	751	367	379	295	1,160	2,480	460	839	385	452	261	910
23	458	314	355	316	1,630	881	964	584	339	342	272	660
24	361	278	345	378	1,520	658	1,000	476	513	336	281	584
25	314	263	335	507	731	561	483	430	336	330	327	503
26	286	256	317	419	937	572	359	414	339	336	354	452
27	272	252	302	362	2,470	865	321	411	357	613	342	456
28	302	249	292	331	2,460	662	304	469	333	656	272	401
29	385	247	530	313	------	719	290	388	336	534	253	372
30	447	244	990	305	------	2,170	281	363	398	796	245	354
31	541	------	2,820	298	------	2,210	------	342	------	1,150	245	------
TOTAL	16,205	10,245	16,887	18,728	27,768	56,523	15,831	33,504	9,689	14,862	11,479	33,939
MEAN	523	342	545	604	992	1,823	528	1,081	323	479	370	1,131
MAX	2,190	1,050	2,820	2,490	2,470	7,970	1,810	7,370	513	1,150	1,100	7,300
MIN	201	231	232	295	275	392	281	252	258	284	245	253
CFSM	1.04	.68	1.09	1.20	1.98	3.63	1.05	2.15	.64	.95	.74	2.25
IN.	1.20	.76	1.25	1.39	2.06	4.19	1.17	2.48	.72	1.10	.85	2.52

CAL YR 1970 TOTAL 165,088 MEAN 452 MAX 2,820 MIN 201 CFSM .90 IN 12.23
WTR YR 1971 TOTAL 265,660 MEAN 728 MAX 7,970 MIN 201 CFSM 1.45 IN 19.69

PEAK DISCHARGE (BASE, 6,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-03	2000	17.63	8,860	9-17	2200	17.52	8,930
5-13	0800	16.78	7,890				

OHIO RIVER BASIN

TENNESSEE RIVER BASIN

03589500 Tennessee River at Florence, Ala.

LOCATION.--Lat 34°47'13", long 87°40'12", in SW 1/4 sec.14, T.3 S., R. 11 W., Lauderdale County, on right bank of old lock and dam 1 canal at lower end of Patten Island, 137 ft upstream from Southern Railway bridge, 700 ft upstream from O'Neal Bridge on U.S. Highway 72, 1 mile south of Florence, 1.7 miles upstream from Cypress Creek, 2.7 miles downstream from Wilson Dam, and at mile 256.7.

DRAINAGE AREA.--30,810 sq mi, approximately.

PERIOD OF RECORD.--November 1871 to September 1894 (gage heights only), October 1894 to current year.

GAGE.--Water-stage recorder. Datum of gage is 401.12 ft above mean sea level. Prior to Apr. 1, 1926, several U.S. Weather Bureau staff gages at or near Southern Railway bridge 137 ft downstream at same datum. Apr. 1, 1926, to Mar. 11, 1958, water-stage recorder on left bank at lower end of old lock and dam, 1,400 ft upstream at same datum. Since Oct. 1, 1938, auxiliary water-stage recorder 15.2 miles downstream.

AVERAGE DISCHARGE.--77 years, 50,600 cfs (22.30 inches per year).

EXTREMES.--Current year: Maximum discharge, 196,000 cfs Feb. 22 (gage height, 18.80 ft); minimum daily, 6,510 cfs Oct. 4.

Period of record: Maximum discharge observed, 444,000 cfs Mar. 19, 1897 (gage height, 32.5 ft), from rating curve extended above 390,000 cfs; minimum daily, 105 cfs Sept. 7, 1969 (computed on basis of Wilson Dam records); minimum gage height, -3.0 ft Oct. 8, 1925, caused by filling of Wilson Lake.

Flood in 1867 reached a stage of 31.1 ft, from U.S. Weather Bureau (discharge, 421,000 cfs).

REMARKS.--Records good except those below 25,000 cfs, which are fair. Slight regulation since 1924 by Wilson Lake and increasing regulation since 1936 as other reservoirs have been built above station. Flow now almost completely regulated.

REVISIONS (WATER YEARS).--WSP 473: 1897(M). WSP 1306: 1914(M), 1936 (monthly runoff). WSP 1436: 1897, 1899, 1916.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47,300	38,200	30,000	48,900	62,900	167,000	70,900	20,800	37,700	33,300	43,200	36,300
2	44,500	39,300	27,000	45,400	68,100	168,000	75,800	21,200	36,300	41,400	60,300	29,900
3	12,000	33,300	28,100	44,000	62,200	154,000	77,600	40,300	36,000	26,600	49,900	35,700
4	6,510	46,000	21,600	34,500	72,700	124,000	55,000	31,300	36,700	15,000	50,000	33,500
5	35,500	40,800	21,100	58,000	95,700	112,000	39,100	35,200	31,300	18,000	51,000	15,000
6	27,300	36,900	29,500	75,500	110,000	111,000	49,600	30,800	12,100	29,900	57,200	25,900
7	21,900	29,800	23,400	68,000	122,000	102,000	51,300	30,300	49,100	24,000	45,100	33,400
8	22,700	20,500	22,000	70,800	120,000	91,100	30,200	38,700	46,600	29,300	43,200	36,200
9	28,000	34,400	17,500	55,100	120,000	81,600	18,300	30,900	38,300	33,400	46,100	36,400
10	23,800	37,600	15,400	32,800	119,000	79,100	18,100	45,300	38,200	33,600	45,800	28,400
11	10,100	38,300	27,400	29,100	112,000	73,300	9,450	41,300	41,400	14,100	48,000	28,400
12	28,600	40,700	38,300	30,000	106,000	66,600	21,800	41,800	42,600	34,900	50,700	20,400
13	30,000	38,600	33,500	34,000	74,200	62,300	19,700	86,300	20,600	35,400	56,000	29,900
14	30,300	38,700	48,500	25,800	62,600	66,800	23,800	102,000	42,300	32,400	43,700	30,600
15	28,200	29,000	42,000	51,000	63,800	60,000	25,000	95,400	42,200	27,800	33,100	33,400
16	42,300	38,200	43,500	70,500	62,100	55,600	20,100	75,800	39,900	54,100	41,100	43,500
17	30,500	42,100	38,600	67,000	62,000	54,600	17,500	71,200	45,100	48,800	38,900	60,700
18	19,500	35,500	31,500	59,800	60,600	61,200	13,300	59,200	44,400	31,000	42,900	56,300
19	24,400	21,800	27,700	61,200	69,300	62,400	20,000	53,200	48,400	26,100	42,800	29,800
20	21,600	31,300	35,500	44,700	75,900	45,700	17,800	54,500	36,000	26,900	37,900	43,400
21	24,200	37,900	37,400	34,900	104,000	29,200	15,200	44,100	46,300	39,800	39,200	32,600
22	26,100	47,900	33,500	61,200	177,000	45,600	15,100	26,200	39,400	43,000	26,500	35,500
23	22,700	63,600	43,100	53,400	183,000	51,900	43,200	19,300	38,000	32,600	43,600	31,400
24	20,500	52,200	84,200	117,000	174,000	37,300	28,700	35,300	34,600	30,200	42,400	35,100
25	14,900	50,300	77,800	162,000	158,000	50,500	16,700	40,100	38,000	17,200	45,600	35,500
26	42,000	36,600	75,200	167,000	169,000	67,000	35,700	40,600	19,700	24,200	42,100	23,000
27	32,700	41,300	69,400	147,000	173,000	71,000	29,100	30,500	10,200	40,500	37,900	41,200
28	24,800	31,500	64,300	122,000	169,000	66,200	40,600	23,600	42,700	49,100	28,700	39,600
29	32,400	18,100	64,900	98,400	------	68,700	30,100	28,700	26,100	42,900	26,900	41,200
30	35,900	32,700	47,100	69,600	------	82,800	32,400	25,500	27,600	35,400	33,200	41,800
31	36,100	------	45,900	75,700	------	80,100	------	30,000	------	42,200	36,300	------
TOTAL	847,310	1,123.1M	1,244.9M	2,114.3M	3,008.1M	2,448.6M	961,150	1,349.4M	1,087.8M	1,013.1M	1,329.3M	1,044.0M
MEAN	27,330	37,440	40,160	68,200	107,400	78,990	32,040	43,530	36,260	32,680	42,880	34,800
MAX	47,300	63,600	84,200	167,000	183,000	168,000	77,600	102,000	49,100	54,100	60,300	60,700
MIN	6,510	18,100	15,400	25,800	60,600	29,200	9,450	19,300	10,200	14,100	26,500	15,000

CAL YR 1970 TOTAL 16,576,610 MEAN 45,420 MAX 245,000 MIN 6,510
WTR YR 1971 TOTAL 17,571,060 MEAN 48,140 MAX 183,000 MIN 6,510

03592101 Bear Creek at Mingo, Miss.

LOCATION.--Lat 34°38'00", long 87°09'20", in NE 1/4 NE 1/4 sec.20, T.5 S., R.11 E., Tishomingo County, on right bank, 300 ft upstream from bridge on county road, 0.5 mile northwest of Mingo, and at mile 30.8.

DRAINAGE AREA.--329 sq mi.

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 428.58 ft above mean sea level.

EXTREMES.--Current year: Maximum discharge, 5,060 cfs Feb. 22 (gage height, 13.39 ft); minimum daily, 43 cfs Sept. 30.
Period of record: Maximum discharge, 6,470 cfs Dec. 31, 1969; minimum daily, 20 cfs Sept. 5, 1970.

REMARKS.--Records good. Flow regulated by Bear Creek Reservoir 43.8 miles upstream beginning Mar. 14,1969.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	549	78	616	1,540	2,160	1,720	623	136	96	327	123
2	110	441	162	532	1,070	2,100	2,140	584	134	82	497	95
3	130	250	136	595	1,120	2,060	1,940	567	130	60	351	123
4	170	172	137	791	1,240	2,010	1,730	451	125	78	142	149
5	170	140	129	857	1,530	1,970	1,650	374	123	92	108	113
6	150	125	129	934	1,460	1,960	1,580	364	158	95	101	113
7	115	118	127	1,050	1,430	1,980	1,500	434	168	138	84	123
8	88	109	123	1,050	1,380	1,910	1,210	360	150	95	168	113
9	105	113	89	777	1,300	1,870	1,080	330	160	91	102	130
10	150	113	73	665	1,020	2,020	875	270	230	81	106	86
11	110	115	63	574	801	1,960	609	228	220	62	253	80
12	120	130	74	490	546	1,830	584	745	210	55	1,000	78
13	170	127	108	339	581	1,950	521	2,880	208	50	374	70
14	250	172	191	176	532	2,000	409	2,020	191	46	342	60
15	350	168	144	784	518	1,910	339	1,790	154	45	321	52
16	250	146	191	444	507	1,770	336	1,740	108	47	253	100
17	180	136	172	360	378	1,670	330	1,640	144	53	172	340
18	130	98	191	270	273	1,610	324	1,360	101	56	118	150
19	90	87	203	210	315	1,640	318	1,470	132	67	118	110
20	120	96	243	210	619	1,560	312	1,140	136	68	116	97
21	500	142	282	191	2,350	1,500	360	640	136	68	154	89
22	300	146	462	248	4,830	1,460	351	357	134	67	160	97
23	180	318	1,240	1,220	3,730	1,210	2,040	327	129	53	156	92
24	250	315	920	2,240	2,250	1,070	1,840	309	121	50	150	112
25	288	265	861	3,050	1,970	1,280	1,100	297	113	102	148	125
26	351	174	850	2,390	2,560	2,080	1,000	253	106	176	136	121
27	339	105	885	1,940	3,190	1,820	945	205	84	288	129	132
28	374	87	570	2,020	2,420	1,740	857	146	77	385	91	130
29	602	80	260	1,840	------	2,080	742	154	81	567	80	88
30	679	77	458	1,720	------	2,060	654	150	110	451	75	43
31	633	------	479	1,780	------	1,790	------	144	------	525	78	------
TOTAL	7,539	5,114	10,025	30,363	41,460	56,030	29,396	22,352	4,209	4,189	6,410	3,303
MEAN	243	170	323	979	1,481	1,807	980	721	140	135	207	110
MAX	679	549	1,240	3,050	4,830	2,160	2,140	2,880	230	567	1,000	340
MIN	85	77	63	176	273	1,070	312	144	77	45	75	43
CFSM	.74	.52	.98	2.98	4.50	5.49	2.98	2.19	.43	.41	.63	.33
IN.	.85	.58	1.13	3.43	4.69	6.34	3.32	2.53	.48	.47	.72	.37

CAL YR 1970 TOTAL 243,101 MEAN 666 MAX 4,000 MIN 20 CFSM 2.02 IN 27.49
WTR YR 1971 TOTAL 220,390 MEAN 604 MAX 4,830 MIN 43 CFSM 1.84 IN 24.92

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE
2-22	1345	13.39	5,060

03592500 Bear Creek at Bishop, Ala.

LOCATION.--Lat 34°39'21", long 88°07'21", in SE 1/4 sec. 5, T.5 S., R.15 W., Colbert County, on left bank 20 ft upstream from highway bridge, 0.5 mile downstream from Cedar Creek, 0.8 mile southwest of Bishop, and at mile 27.3.

DRAINAGE AREA.--667 sq mi.

PERIOD OF RECORD.--August 1926 to June 1928, February 1929 to March 1932, June 1933 to current year.

GAGE.--Water-stage recorder. Datum of gage is 419.91 ft above mean sea level. Nonrecording gage prior to June 23, 1928, and Feb. 10, 1929, to Mar. 31, 1932, at site 35 ft downstream, and June 7, 1933, to May 28, 1934 at bridge 20 ft downstream at datum 5.00 ft lower.

AVERAGE DISCHARGE.--41 years (1926-27, 1929-31, 1933-71), 1,076 cfs (21.91 inches per year).

EXTREMES.--Current year: Maximum discharge, 16,200 cfs Feb. 22 (gage height, 17.40 ft); minimum daily, 83 cfs July 15, 16.

Period of record: Maximum discharge, 37,000 cfs Mar. 22, 1955; maximum gage height, 22.0 ft (present datum) Dec. 26, 1926, from floodmarks; minimum discharge, 9.3 cfs Sept. 15-17, 1954; minimum gage height, -0.15 ft Sept. 1, 1943.

REMARKS.--Records good. Flow regulated by Bear Creek Reservoir 47.3 miles upstream beginning Mar. 14, 1969.

REVISIONS (WATER YEARS).--WSP 698: 1929, WSP 823: Drainage area. WSP 853: 1927, 1928 (M), 1929, 1930 (M), 1932 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	713	184	995	2,100	3,800	2,900	1,220	295	260	656	220
2	90	596	281	893	1,550	3,430	4,770	1,110	281	201	995	176
3	89	388	253	869	1,480	3,510	4,230	1,030	266	151	670	394
4	121	281	242	1,310	1,640	3,280	3,010	869	251	139	355	270
5	138	231	229	1,840	3,510	2,950	2,680	765	246	160	275	200
6	138	202	226	1,520	2,750	2,830	2,510	733	335	184	290	190
7	146	192	226	1,470	2,280	2,870	2,280	893	348	311	444	198
8	116	178	220	1,420	2,080	2,600	1,890	717	330	162	428	184
9	112	196	173	1,130	1,880	2,450	1,660	649	310	139	292	166
10	151	209	155	995	1,520	2,290	1,430	579	365	126	423	149
11	158	215	157	889	1,260	2,950	1,130	572	342	112	770	144
12	315	224	206	789	1,050	2,560	1,060	2,730	320	109	2,740	131
13	460	213	294	632	1,080	3,020	972	9,520	303	99	988	120
14	290	325	455	812	1,000	3,510	849	5,720	292	88	721	122
15	332	350	365	3,620	941	3,100	737	3,330	242	83	680	101
16	323	295	345	1,680	914	2,730	713	2,820	529	83	509	89
17	204	262	348	1,240	777	2,400	688	2,440	425	106	358	140
18	188	222	365	1,020	624	2,230	670	1,980	266	107	266	304
19	141	240	350	829	692	2,390	652	1,990	255	120	244	194
20	193	651	408	745	1,810	2,340	621	1,620	253	117	277	155
21	392	702	646	684	5,590	2,110	761	1,090	251	107	281	164
22	534	497	874	965	15,000	2,020	825	757	277	102	275	144
23	264	604	3,650	4,800	11,500	1,800	5,450	677	266	92	286	291
24	383	544	2,420	6,720	4,860	1,590	6,150	628	233	88	268	322
25	847	464	1,640	8,670	3,540	2,160	2,480	593	202	224	248	255
26	635	345	1,400	5,600	5,000	5,720	1,920	518	186	398	220	207
27	518	257	1,240	3,780	8,030	3,820	1,670	449	158	646	211	318
28	512	222	923	3,150	5,090	3,020	1,500	428	151	610	178	248
29	1,240	202	527	2,770	———	4,450	1,310	372	155	713	151	173
30	1,310	196	725	2,430	———	4,620	1,230	342	189	1,380	142	112
31	889	———	773	2,450	———	3,290	———	320	———	2,040	183	———
TOTAL	11,324	10,216	20,300	66,717	89,548	91,840	58,748	47,461	8,322	9,257	14,824	5,889
MEAN	365	341	655	2,152	3,198	2,963	1,958	1,531	277	299	478	196
MAX	1,310	713	3,650	8,670	15,000	5,720	6,150	9,520	529	2,040	2,740	394
MIN	89	178	155	632	624	1,590	621	320	151	83	142	89
CFSM	.55	.51	.98	3.23	4.79	4.44	2.94	2.30	.42	.45	.72	.29
IN.	.63	.57	1.13	3.72	4.99	5.12	3.28	2.65	.46	.52	.83	.33

CAL YR 1970 TOTAL 477,029 MEAN 1,307 MAX 12,000 MIN 64 CFSM 1.96 IN 26.60
WTR YR 1971 TOTAL 434,446 MEAN 1,190 MAX 15,000 MIN 83 CFSM 1.78 IN 24.23

PEAK DISCHARGE (BASE, 7,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-25	1200	14.60	9,170	4-23	2400	14.57	9,120
2-22	1500	17.40	16,200	5-13	1900	15.31	10,600
2-27	1300	14.27	8,590				

MISSISSIPPI RIVER MAIN STEM

07032000 Mississippi River at Memphis, Tenn.

LOCATION.--Lat 35°07'37", long 90°04'25", Shelby County, on left bank 50 ft downstream from Harahan Bridge at Memphis, 1.3 miles downstream from Beale Street gage, 3.5 miles downstream from Wolf River, 70 miles upstream from St. Francis River, and at mile 734.8.

DRAINAGE AREA.--932,800 sq mi, approximately.

PERIOD OF RECORD.--Discharge: January 1933 to September 1970. Monthly discharge only for some periods, published in WSP 1311.

Gage heights: October 1934 to September 1951 and October 1952 to current year in reports of Geological Survey. Since November 1871, at Beale Street gage, in reports of Mississippi River Commission. December 1890 to August 1932 at Beale Street gage, September 1932 to December 1934 at nonrecording gage 1,000 ft downstream, and since December 1934 at water-stage recorder at present site, in reports of U.S. Weather Bureau. (See REMARKS).

GAGE.--Water-stage recorder. Datum of gage is 183.91 ft above mean sea level. Prior to Apr. 16, 1934, Beale Street nonrecording gage 1.3 miles upstream at same datum. Apr. 16 to Dec. 21, 1934, nonrecording gage 1,000 ft downstream at same datum.

AVERAGE DISCHARGE.--37 years, 452,200 cfs (327,600,000 acre-ft per year).

EXTREMES.--Period of record: Maximum discharge, 1,980,000 cfs Feb. 8, 1937; maximum gage height, 48.69 ft Feb. 10, 1937; minimum discharge, 79,200 cfs Aug. 26, 1936; minimum gage height, -5.35 ft Jan. 24, 1956.

Maximum stage known prior to 1937, 46.55 ft Apr. 9, 1913, at Beale Street gage or about 45.2 ft at present site.

REMARKS.--Records good. Natural flow of stream affected by many reservoirs and navigation dams. Records for water year 1971 are not available in time for inclusion in this report. They will be published in a subsequent report.

07266000 Cane Creek near New Albany, Miss.

LOCATION.--Lat 34°34'20", long 88°57'20", in SE¼SW¼ sec.11, T.6 S., R.3 E., Chickasaw meridian, Union County, near right bank on downstream side of bridge on county highway, 450 ft upstream from Ellis Creek, 5.1 miles upstream from mouth, and 6.2 miles northeast of New Albany.

DRAINAGE AREA.--22.2 sq mi.

PERIOD OF RECORD.--February 1939 to July 1941, February 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 356.74 ft above mean sea level. Prior to Mar. 31, 1939, nonrecording gage; Mar. 31, 1939, to July 18, 1941, water-stage recorder and nonrecording gage; Feb. 1 to June 14, 1950, nonrecording gage; June 15, 1950, to Oct. 7, 1955, water-stage recorder; and Oct. 8 to Dec. 9, 1955, nonrecording gage, all at present site. Dec. 10, 1955, to Sept. 30, 1962, water-stage recorder at site 600 ft downstream. Prior to Oct. 1, 1955, all gages at datum 10.00 ft higher than present datum.

AVERAGE DISCHARGE.--22 years (1939-40, 1950-71), 37.0 cfs (22.63 inches per year).

EXTREMES.--Current year: Maximum discharge, 3,220 cfs Feb. 22 (gage height, 14.25 ft); minimum daily, 1.0 cfs Oct. 3, 6, Sept. 15.
Period of record: Maximum discharge, 8,680 cfs Mar. 21, 1955 (gage height, 19.08 ft, present datum), from rating curve extended above 4,200 cfs; no flow Sept. 5-7, 1954.

REMARKS.--Records fair.

REVISIONS.--WSP 1177: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	3.5	5.3	9.3	19	51	53	25	8.7	5.8	3.3	5.0
2	1.3	3.3	5.3	8.1	17	43	58	22	8.4	4.8	3.3	4.3
3	1.0	3.2	5.6	8.1	19	46	38	21	7.5	4.3	46	3.5
4	1.3	3.2	5.1	66	17	36	33	20	6.9	4.0	7.8	2.5
5	1.3	3.2	5.1	23	32	33	31	18	6.6	3.8	6.0	2.3
6	1.0	3.2	5.1	17	24	31	29	18	6.6	4.0	5.5	2.8
7	2.8	3.2	4.9	14	21	31	27	16	6.6	3.8	5.5	2.3
8	3.3	3.2	4.9	13	23	28	26	15	6.6	4.0	4.8	2.0
9	4.6	18	4.9	12	20	27	26	14	11	4.0	4.5	1.5
10	2.8	8.9	4.9	11	20	66	24	13	6.9	3.8	86	1.5
11	3.0	6.8	5.1	11	20	37	22	14	6.3	3.8	28	2.0
12	47	6.8	7.0	11	199	33	21	61	5.8	3.5	17	2.0
13	5.8	6.0	5.6	16	76	130	20	79	12	3.0	7.2	1.3
14	4.0	17	5.1	148	42	58	19	31	8.4	2.8	7.2	1.3
15	3.5	11	5.6	31	36	88	18	23	5.3	2.5	6.6	1.0
16	3.2	8.1	17	21	35	47	18	19	12	2.5	5.0	4.8
17	3.0	7.6	10	18	32	38	17	16	9.0	2.5	4.8	4.0
18	3.0	8.9	7.8	17	29	37	17	14	6.3	2.5	4.3	2.0
19	3.0	8.1	7.3	16	84	57	17	13	8.7	2.3	4.3	2.0
20	3.5	10	8.3	15	60	37	16	12	6.0	3.8	3.8	2.8
21	3.3	7.8	12	16	673	33	81	11	5.3	3.5	3.3	2.3
22	3.0	7.3	9.6	111	825	32	28	10	4.8	11	3.8	2.0
23	3.0	6.5	21	113	126	29	278	9.9	19	5.5	4.0	1.8
24	7.8	6.0	16	552	88	28	66	9.6	19	6.6	3.3	1.8
25	5.1	6.0	13	116	57	136	44	11	6.9	16	2.8	1.5
26	3.6	6.0	10	55	364	67	35	9.0	6.0	6.6	5.8	358
27	3.3	6.0	8.9	38	99	48	30	9.9	5.5	6.0	7.2	36
28	3.3	6.0	8.3	32	66	44	25	9.6	5.5	3.8	3.0	12
29	8.3	5.6	8.1	27	------	88	24	8.4	5.0	3.5	2.8	8.7
30	4.5	5.3	7.8	26	------	45	32	7.8	7.2	6.6	2.8	6.3
31	3.6	------	12	22	------	38	------	7.5	------	4.0	3.0	------
TOTAL	148.5	205.7	256.6	1,593.5	3,123	1,542	1,173	567.7	239.8	144.6	302.7	481.3
MEAN	4.79	6.86	8.28	51.4	112	49.7	39.1	18.3	7.99	4.66	9.76	16.0
MAX	47	18	21	552	825	136	278	79	19	16	86	358
MIN	1.0	3.2	4.9	8.1	17	27	16	7.5	4.8	2.3	2.8	1.0
CFSM	.22	.31	.37	2.32	5.05	2.24	1.76	.82	.36	.21	.44	.72
IN.	.25	.34	.43	2.67	5.23	2.58	1.97	.95	.40	.24	.51	.81

CAL YR 1970 TOTAL 12,735.6 MEAN 34.9 MAX 773 MIN 1.0 CFSM 1.57 IN 21.34
WTR YR 1971 TOTAL 9,778.4 MEAN 26.8 MAX 825 MIN 1.0 CFSM 1.21 IN 16.39

PEAK DISCHARGE (BASE, 1,400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-22	0115	14.25	3,220	9-26	1830	9.98	1,760

07268000 Tallahatchie River at Etta, Miss.

LOCATION.--Lat 34°29'00", long 89°13'30", in SE¼SW¼ sec.8, T.7 S., R.1 E., Chickasaw meridian, Union County, on downstream side of left main pier of bridge on State Highway 30, 0.8 mile northeast of Etta, 3.8 miles upstream from Puskus Creek, 4 miles downstream from Locks Creek, 13 miles west of New Albany, and 55.0 miles upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--526 sq mi.

PERIOD OF RECORD.--September 1938 to current year. November 1936 to May 1937 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 273.48 ft above mean sea level (levels by Corps of Engineers). Nov. 23, 1936, to May 31, 1937, nonrecording gage at same site at datum 5.33 ft higher. Sept. 24, 1938, to Mar. 16, 1939, nonrecording gage Mar. 17, 1939, to Aug. 25, 1952, water-stage recorder, and Aug. 26, 1952, to June 22, 1953, nonrecording gage, all at same site. Sept. 24, 1938, to Sept. 30, 1952, at datum 5.00 ft higher.

AVERAGE DISCHARGE.--33 years, 802 cfs (20.71 inches per year).

EXTREMES.--Current year: Maximum discharge, 28,700 cfs Feb. 22 (gage height, 25.04 ft); minimum, 15 cfs Oct. 3-5; minimum gage height, 6.23 ft Oct. 5.

Period of record: Maximum discharge, 79,000 cfs Mar. 22, 1955 (gage height, 29.32 ft); minimum, 4.1 cfs Oct. 3, 16, 1938.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 897: Drainage area. WSP 1211: 1948, 1949(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	93	94	398	335	817	658	383	129	74	113	468
2	16	85	95	240	292	671	3,490	276	202	71	169	186
3	15	77	94	200	296	603	871	256	131	65	200	94
4	15	73	94	2,950	351	491	515	231	122	63	125	81
5	15	70	89	1,990	2,780	422	417	221	119	60	152	67
6	16	66	89	512	691	483	360	224	280	58	200	65
7	18	65	85	324	438	732	340	233	128	57	3,370	364
8	56	64	86	274	414	398	312	218	154	56	304	89
9	82	532	86	255	355	331	300	190	124	54	140	69
10	155	486	89	237	360	3,760	282	181	113	52	141	61
11	342	144	91	224	429	1,550	262	194	99	51	211	57
12	1,940	123	112	206	3,520	766	249	995	94	50	124	56
13	1,080	119	108	190	4,020	3,900	242	7,320	90	48	88	52
14	512	749	91	1,660	1,070	2,060	228	2,200	116	47	116	49
15	210	424	92	2,890	715	2,240	219	626	93	45	182	47
16	100	173	388	534	537	885	218	402	147	45	77	96
17	83	130	242	351	443	478	213	312	162	44	67	124
18	77	152	141	288	381	383	208	264	168	44	62	73
19	74	179	117	229	1,120	1,130	202	233	667	43	60	62
20	82	184	606	181	3,820	502	194	219	128	43	72	90
21	82	144	960	181	8,700	346	2,420	202	98	44	61	76
22	72	118	349	388	24,400	324	827	186	91	44	88	64
23	67	110	4,860	5,940	6,460	351	4,950	179	86	51	69	56
24	182	91	1,820	10,400	1,780	276	2,890	170	131	100	63	53
25	272	92	473	16,800	1,050	2,690	739	308	100	2,080	59	52
26	117	95	298	4,240	4,980	4,310	460	175	89	1,180	65	258
27	88	97	238	1,220	3,880	1,130	374	749	296	176	594	1,200
28	79	96	211	722	1,220	718	338	1,210	154	138	96	302
29	249	96	247	567	------	3,330	290	200	83	371	66	99
30	202	94	280	504	------	1,090	424	148	76	1,370	61	70
31	117	------	518	438	------	543	------	131	------	274	94	------
TOTAL	6,434	5,021	13,143	55,533	74,837	37,710	23,492	18,836	4,470	6,898	7,289	4,480
MEAN	208	167	424	1,791	2,673	1,216	783	608	149	223	235	149
MAX	1,940	749	4,860	16,800	24,400	4,310	4,950	7,320	667	2,080	3,370	1,200
MIN	15	64	85	181	292	276	194	131	76	43	59	47
CFSM	.40	.32	.81	3.40	5.08	2.31	1.49	1.16	.28	.42	.45	.28
IN.	.46	.36	.93	3.93	5.29	2.67	1.66	1.33	.32	.49	.52	.32

CAL YR 1970 TOTAL 359,991 MEAN 986 MAX 28,800 MIN 15 CFSM 1.87 IN 25.46
WTR YR 1971 TOTAL 258,143 MEAN 707 MAX 24,400 MIN 15 CFSM 1.34 IN 18.26

PEAK DISCHARGE (BASE, 16,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-25	0215	24.41	23,300	2-22	1145	25.04	28,700

07271000 Clear Creek near Oxford, Miss.

LOCATION.--Lat 34°21'20", long 89°39'30", in NW¼SE¼ sec.30, T.8 S., R.4 W., Chickasaw meridian, Lafayette County, near right bank on downstream side of pier of bridge on State Highway 6, 1.0 mile upstream from Hudson Creek, and 8.3 miles west of Oxford.

DRAINAGE AREA.--10.3 sq mi.

PERIOD OF RECORD.--January 1939 to July 1941, February 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 273.47 ft above mean sea level. Prior to Mar. 6, 1939, nonrecording gage. Prior to Oct. 1, 1962, at datum 2.00 ft higher.

AVERAGE DISCHARGE.--22 years (1939-40, 1950-71), 14.4 cfs (18.99 inches per year).

EXTREMES.--Current year: Maximum discharge, 4,070 cfs Feb. 21 (gage height, 12.53 ft); minimum daily, 7.0 cfs Sept. 30.
Period of record: Maximum discharge, 6,500 cfs Apr. 29, 1963 (gage height, 14.34 ft), from rating curve extended above 2,700 cfs on basis of slope-area measurements of peak flow; minimum, 3.0 cfs July 19-22, 1939.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1441: Drainage area. WSP 1561: 1957. WSP 1920: 1939-40, 1950-57, 1958(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	8.1	8.1	9.2	7.3	12	15	11	9.5	8.2	10	9.0
2	7.3	7.9	8.1	9.0	7.5	11	10	11	8.7	8.1	8.3	8.4
3	7.2	7.9	8.1	8.8	7.7	12	9.7	10	8.7	8.1	8.1	9.0
4	7.3	7.9	8.3	16	15	11	9.6	10	8.5	8.0	8.1	8.7
5	7.3	8.1	8.3	10	12	9.7	9.6	9.7	8.5	8.0	9.5	8.3
6	7.2	8.1	8.3	9.2	9.0	10	9.4	9.5	8.4	8.0	9.0	14
7	8.1	8.3	8.3	8.8	8.7	9.5	9.4	9.2	8.3	7.9	14	10
8	7.7	8.3	8.3	8.6	9.5	9.2	9.5	8.7	8.3	7.9	8.7	9.7
9	8.7	12	8.3	8.4	9.2	8.7	9.5	8.5	8.5	7.9	15	9.7
10	8.1	8.3	8.3	8.4	9.2	13	9.5	8.3	8.1	7.9	9.5	9.5
11	8.3	7.7	8.3	8.3	9.0	9.7	9.5	8.5	8.1	7.9	9.0	9.2
12	16	7.9	8.3	8.2	19	9.5	9.2	33	8.1	7.9	8.7	8.7
13	50	8.1	8.3	8.2	9.7	19	9.2	15	8.3	7.9	8.7	8.5
14	13	11	8.5	42	8.5	13	9.0	9.7	8.1	7.9	8.5	7.5
15	12	8.3	8.3	12	8.5	12	8.7	9.2	8.1	7.9	8.5	7.3
16	10	7.9	9.5	10	8.3	11	8.7	9.0	8.3	7.7	8.5	7.3
17	9.2	7.9	8.7	10	8.3	10	8.3	8.5	8.1	7.9	8.1	7.5
18	9.0	8.3	8.5	9.5	8.1	11	8.1	8.5	10	7.9	8.1	7.5
19	8.1	8.3	8.5	9.0	14	12	8.1	8.5	8.7	7.7	8.3	7.3
20	8.3	8.3	11	8.5	12	10	9.5	8.5	8.5	7.7	8.1	7.3
21	8.3	8.1	10	9.0	571	9.7	25	8.3	8.3	7.7	8.1	7.3
22	8.3	8.3	9.2	10	72	9.2	8.5	8.3	8.1	7.5	8.5	7.3
23	8.3	8.3	12	15	12	9.0	19	8.5	8.1	7.7	9.0	7.2
24	8.7	8.3	11	60	11	8.7	11	8.5	8.0	7.7	8.7	7.2
25	8.5	8.3	9.7	10	11	26	10	10	8.0	49	8.3	7.2
26	8.3	8.1	9.2	8.5	66	9.7	9.5	8.7	8.0	8.7	8.3	12
27	8.3	8.1	9.0	8.0	13	9.0	9.2	8.7	9.0	8.1	8.3	8.0
28	8.1	8.1	9.0	7.7	14	11	9.0	8.5	8.5	8.1	7.9	7.6
29	8.3	8.1	9.0	7.5	------	9.7	9.0	8.5	8.3	7.7	7.9	7.2
30	8.1	8.1	9.0	7.4	------	9.0	14	8.5	8.2	34	7.5	7.0
31	8.1	------	9.2	7.4	------	8.8	------	8.5	------	10	7.9	------
TOTAL	311.4	250.4	276.6	372.6	970.5	343.1	313.7	309.3	252.3	314.6	275.1	252.4
MEAN	10.0	8.35	8.92	12.0	34.7	11.1	10.5	9.98	8.41	10.1	8.87	8.41
MAX	50	12	12	60	571	26	25	33	10	49	15	14
MIN	7.2	7.7	8.1	7.4	7.3	8.7	8.1	8.3	8.0	7.5	7.5	7.0
CFSM	.97	.81	.87	1.17	3.37	1.08	1.02	.97	.82	.98	.86	.82
IN.	1.12	.90	1.00	1.35	3.51	1.24	1.13	1.12	.91	1.14	.99	.91

CAL YR 1970 TOTAL 7,333.4 MEAN 20.1 MAX 946 MIN 7.2 CFSM 1.95 IN 26.49
WTR YR 1971 TOTAL 4,242.0 MEAN 11.6 MAX 571 MIN 7.0 CFSM 1.13 IN 15.32

PEAK DISCHARGE (BASE, 900 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
2-21	2000	12.53	4,070				

07272000 Sardis Lake near Sardis, Miss.

(Formerly published as Sardis Reservoir near Sardis)

LOCATION.--Lat 34°23'57", long 89°47'10", in NE¼SW¼ sec.12, T.8 S., R.6 W., Chickasaw meridian, Panola County, in gatehouse of dam on Tallahatchie River, 7.5 miles southeast of Sardis, and 25.7 miles upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--1,545 sq mi.

PERIOD OF RECORD.--September 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1958, at datum 219.43 ft above mean sea level.

EXTREMES.--Current year: Maximum contents, 786,500 acre-ft May 18-20 (elevation, 264.98 ft); minimum, 148,100 acre-ft Dec. 16 (elevation, 239.33 ft).

Period of record: Maximum contents, 1,394,100 acre-ft May 14, 1970 (elevation, 278.32 ft); minimum since initial filling of reservoir to conservation level, 47,900 acre-ft Oct. 3, 1941 (elevation, 228.93 ft).

REMARKS.--Reservoir is formed by hydraulic-fill earth dam, with concrete spillway and outlet tunnel on opposite ends of dam. Storage began Aug. 26, 1939; dam completed Aug. 1, 1940. Capacity, 1,569,900 acre-ft at elevation 281.4 ft (crest of spillway), of which about 1,478,000 acre-ft is available for flood-control storage and about 108,000 acre-ft is permanent storage which will be maintained for incidental recreational purposes at elevation 236.0 ft (16.6 ft above sill of outlet tunnel). Water below elevation 219.4 ft cannot be withdrawn through outlet tunnel. Figures given herein represent total contents. Reservoir used only for flood control.

COOPERATION.--Elevations and contents furnished by Corps of Engineers; records reviewed by Geological Survey.

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

239	143.7	255	462.2
240	157.1	260	612.5
245	235.8	265	787.2
250	336.2		

CONTENTS, IN THOUSANDS OF ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	511.9	360.9	203.0	182.4	371.8	679.5	704.1	745.5	779.0	634.5	504.3	433.8
2	504.9	354.1	198.7	183.2	372.8	687.1	704.8	745.5	778.6	629.6	502.3	430.1
3	498.0	347.1	194.3	184.2	373.1	693.4	705.9	745.5	776.8	625.0	499.1	425.3
4	490.5	339.9	189.2	185.3	373.5	694.4	707.3	744.8	773.1	619.7	496.3	419.9
5	482.3	332.8	184.8	187.0	375.0	693.7	707.6	744.0	768.6	614.5	493.9	413.8
6	474.5	325.8	180.6	191.0	378.7	692.0	707.6	743.3	763.1	608.9	491.6	407.1
7	466.7	318.6	176.1	197.0	384.0	689.5	706.2	742.6	757.6	601.8	490.2	401.0
8	460.8	312.1	171.3	200.8	388.3	686.8	705.2	742.2	753.1	595.4	488.8	394.8
9	453.6	305.5	166.1	202.2	390.3	685.7	704.5	741.9	748.0	590.0	488.5	388.0
10	448.9	300.6	161.4	203.2	391.5	683.3	703.8	741.9	743.3	585.5	490.2	381.1
11	443.2	296.9	157.5	204.2	392.3	682.6	703.4	741.5	738.6	580.1	490.8	375.0
12	437.0	291.9	153.3	204.8	393.5	683.3	703.4	741.5	733.6	574.1	491.6	368.9
13	433.2	287.2	151.7		398.3	685.	703.1	746.6	726.1	569.1	492.2	366.8
14	442.1	283.0	150.2	206.0	406.3	686.6	702.7	755.0	719.3	564.4	491.6	366.0
15	447.8	278.8	148.9	208.9	418.[illegible]	689.9	702.4	769.8	712.2	559.8	489.9	366.0
16	450.8	274.2	148.4	212.6	42[illegible].9	693.7	702.0	779.8	705.2	555.1	487.1	366.5
17	451.3	270.1	148.6	217.4	430.3	696.1	701.7	785.0	698.9	552.0	484.5	368.9
18	446.4	265.7	149.2	222.4	434.6	696.5	701.0	786.5	692.3	546.5	480.9	369.4
19	441.0	261.3	149.4	225.1	437.8	695.8	700.7	786.5	688.2	540.1	476.7	370.1
20	435.6	254.1	150.1	226.4	442.6	694.1	700.3	786.5	686.1	535.6	471.9	372.1
21	428.8	249.5	151.6	226.5	447.8	693.4	700.7	786.1	684.7	530.5	466.9	374.0
22	422.2	245.1	152.8	227.4	489.3	692.7	704.8	785.3	683.0	525.8	462.2	375.2
23	415.4	240.3	154.0	232.3	541.9	691.6	711.5	783.8	678.8	521.3	458.6	376.2
24	408.6	234.7	163.0	240.6	592.9	689.9	717.9	783.1	673.3	517.7	454.6	377.4
25	402.8	[illegible]	167.3	273.8	620.4	687.8		782.0	667.5	515.4	450.5	377.9
26	396.8	225.3	172.8	307.0	634.9	686.8	736.8	781.2	662.1	513.6	447.2	378.4
27	390.8	220.5	175.7	336.0	648.5	687.5	741.2	780.5	655.[illegible]	512.8	444.8	387.3
28	384.3	217.1	178.5	353.1	665.8	692.7	742.6	780.1	649.9	511.0	443.2	397.3
29	378.4	213.1	179.7	362.4		697.5	743.7	779.8	644.5	508.4	441.0	405.1
30	372.3	207.6	180.6	366.5	------	700.0	745.1	779.8	639.5	506.4	438.3	409.9
31	366.5	------	181.7	371.1	------	703.1	------	779.4	------	505.5	435.9	------
MAX	511.9	360.9	203.0	-	665.8	703.1	-	786.5	779.0	634.5	504.3	433.8
MIN	366.5	207.6	148.4	-	371.8	679.5	-	741.5	639.5	505.5	435.9	366.0
(†)	251.13	243.15	241.74	251.50	261.89	262.70	263.87	264.78	260.73	256.51	253.98	253.10
(‡)	-2,475	-2,659	-359	+3,079	+5,476	+457	+701	+545	-2,395	-2,140	-1,143	-388

CAL YR 1970 .... ‡ -230
WTR YR 1971 .... ‡ -143

† Elevation, in feet, at 2400 on last day of month.
‡ Change in contents, equivalent in cubic feet per second.

07272500 Tallahatchie River at Sardis Dam, near Sardis, Miss.

LOCATION.--Lat 34°23'57", long 89°47'10", in SW¼ sec.12, T.8 S., R.6 W., Chickasaw meridian, Panola County, in gatehouse of Sardis Dam, 7.5 miles southeast of Sardis, and 25.7 miles upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--1,545 sq mi.

PERIOD OF RECORD.--January 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Jan. 1 1948, at site 300 ft downstream at datum 194.43 ft above mean sea level. Jan. 1, 1948, to Sept. 30, 1958, at present site a datum 219.43 ft above mean sea level.

AVERAGE DISCHARGE.--31 years, 2,201 cfs (19.35 inches per year) unadjusted.

EXTREMES.--Current year: Maximum daily discharge, 4,210 cfs Oct. 6; minimum discharge, 15 cfs at times.
Period of record: Maximum discharge, 5,780 cfs June 24, 1946; no flow at times each year prior to 1959.

REMARKS.--Flow completely regulated by Sardis Lake, formerly Sardis Reservoir (see sta 07272000).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1147: 1946(M). WSP 1711: 1942(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.160	3.730	2.920	758	898	15	2.860	1.020	1.030	2.780	2.400	3.190
2	4.140	3.740	3.050	759	899	15	2.870	1.020	2.300	2.770	2.400	3.910
3	4.120	3.790	3.100	760	899	1.270	2.870	1.020	2.930	2.770	2.150	3.890
4	4.100	3.750	3.100	761	899	2.860	2.870	1.020	2.930	2.760	1.800	3.870
5	4.190	3.890	3.160	763	900	2.850	2.870	1.020	2.930	3.120	1.790	3.840
6	4.210	3.940	3.120	768	902	2.850	2.870	1.020	2.920	3.960	1.790	3.820
7	4.030	3.900	3.080	774	905	2.850	1.630	1.020	2.920	3.540	1.790	3.860
8	4.010	3.860	3.140	777	906	2.850	1.010	1.020	2.910	2.720	1.780	3.880
9	3.990	3.500	3.140	778	907	2.850	1.010	1.020	2.910	2.720	1.450	3.930
10	3.970	3.800	3.100	780	909	2.840	1.010	1.020	2.900	2.710	674	3.460
11	3.950	3.780	2.380	781	908	2.840	1.010	1.020	3.490	2.700	490	2.640
12	3.940	3.600	1.690	781	909	2.840	1.010	1.020	4.010	2.550	490	1.080
13	1.200	3.480	1.680	781	911	2.850	1.010	382	4.000	2.450	1.040	15
14	15	3.460	1.370	782	916	2.850	1.010	15	3.990	2.450	1.790	15
15	15	3.430	719	785	921	2.850	1.010	15	3.980	2.450	1.790	15
16	1.150	3.400	717	789	362	2.850	1.010	15	3.960	2.450	1.780	15
17	3.020	3.540	718	794	15	2.860	1.010	621	3.950	2.450	2.070	15
18	3.000	3.590	719	798	15	2.860	1.010	1.030	3.130	2.450	2.550	15
19	3.390	3.560	720	800	631	2.860	1.010	1.030	540	2.450	2.540	15
20	4.170	3.650	721	801	932	2.850	1.010	1.030	540	2.400	2.530	15
21	4.140	3.690	723	801	474	2.850	1.010	1.030	2.140	2.400	2.520	15
22	4.120	3.660	725	802	15	2.850	1.010	1.030	3.440	2.400	2.560	15
23	4.090	3.630	728	808	15	2.850	1.010	1.030	3.440	2.400	2.500	15
24	4.070	3.240	737	516	15	2.850	1.020	1.030	3.430	2.400	2.190	15
25	4.040	2.910	742	15	15	2.850	1.020	1.030	3.420	2.400	1.750	15
26	4.020	2.880	749	15	15	2.850	1.020	1.030	3.410	2.400	1.740	15
27	3.990	2.920	751	594	15	2.850	1.020	1.030	3.400	2.400	1.750	15
28	3.960	3.020	754	890	15	2.850	1.020	1.030	3.190	2.400	1.740	15
29	3.940	2.990	756	894		2.860	1.020	1.030	2.790	2.400	1.740	15
30	3.910	2.960	757	896	------	2.860	1.020	1.030	2.790	2.400	1.740	15
31	3.880	------	757	898	------	2.860	------	1.030	------	2.400	1.730	------
TOTAL	108,930	105,290	50,523	22,699	16,123	81,140	42,140	27,708	89,720	81,050	57,054	41,640
MEAN	3,514	3,510	1,630	732	576	2,617	1,405	894	2,991	2,615	1,840	1,388
MAX	4,210	3,940	3,160	898	932	2,860	2,870	1,030	4,010	3,960	2,560	3,930
MIN	15	2,880	717	15	15	15	1,010	15	540	2,400	490	15
(†)	-2,475	-2,659	-359	+3,079	+5,476	+457	+701	+545	-2,395	-2,140	-1,143	-388

CAL YR 1970 TOTAL 1,033,017 MEAN 2,830 MAX 4,630 MIN 15 (†) -230
WTR YR 1971 TOTAL 724,017 MEAN 1,984 MAX 4,210 MIN 15 (†) -143

† Change in contents, equivalent in cubic feet per second, in Sardis Lake, formerly Sardis Reservoir (see sta 07272000).

07274000 Yocona River near Oxford, Miss.

LOCATION.--Lat 34°16'23", long 89°31'11", in SE¼NW¼ sec.28, T.9 S., R.3 W., Chickasaw meridian, Lafayette County, near left bank on downstream side of pier of bridge on State Highway 7, 1.5 miles downstream from Burney Branch, 6 miles south of Oxford, and at mile 42.3.

DRAINAGE AREA.--262 sq mi.

PERIOD OF RECORD.--October 1951 to current year in reports of Geological Survey. May 1946 to September 1951 in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder and supplemental nonrecording gage read once daily. Datum of gage is 272.20 ft above mean sea level.

AVERAGE DISCHARGE.--25 years (1946-71), 364 cfs (18.87 inches per year).

EXTREMES.--Current year: Maximum discharge, 6,800 cfs Feb. 22 (gage height, 19.80 ft); minimum daily, 14 cfs July 15-23.
Period of record: Maximum discharge, 44,100 cfs Mar. 21, 1955 (gage height, 23.72 ft), from rating curve extended above 22,000 cfs; minimum, 4.4 cfs Sept. 14, 1954.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	42	52	380	178	706	740	167	245	21	112	117
2	18	37	51	270	140	444	1,250	127	193	20	88	92
3	16	32	49	233	127	322	776	98	95	19	68	92
4	16	32	48	811	241	258	655	88	61	17	62	68
5	16	31	45	980	884	217	331	80	50	17	68	59
6	17	30	41	927	618	206	234	80	51	23	88	51
7	21	32	41	765	476	280	201	86	90	27	80	45
8	41	34	41	273	248	228	165	100	68	20	61	41
9	60	216	44	215	155	193	150	84	43	24	413	39
10	46	332	45	198	145	1,660	138	74	36	19	120	34
11	37	154	46	180	191	1,210	121	78	34	17	92	32
12	401	86	60	165	340	1,090	113	264	33	16	67	27
13	595	76	53	150	990	1,090	107	2,330	32	16	51	30
14	274	318	53	160	675	977	93	1,060	31	16	48	28
15	99	289	59	254	618	1,050	92	878	30	14	54	27
16	63	149	187	195	293	821	90	416	30	14	43	31
17	49	97	162	153	222	524	90	201	122	14	40	36
18	44	95	103	132	193	344	82	144	64	14	38	31
19	42	89	79	118	414	492	73	114	52	14	40	32
20	43	103	263	109	1,260	428	107	107	36	14	36	37
21	41	89	716	109	2,670	309	1,950	92	28	14	33	32
22	40	77	588	140	6,580	236	870	82	26	14	35	34
23	40	69	1,810	1,010	3,890	234	1,490	74	25	14	38	32
24	46	63	1,440	4,320	1,490	201	966	159	23	26	34	28
25	74	60	1,360	5,590	922	757	769	168	21	1,330	33	27
26	66	60	734	2,550	2,280	1,600	400	67	20	396	32	36
27	46	58	344	1,200	1,420	1,420	214	67	24	160	60	67
28	44	55	227	733	1,120	855	165	188	34	76	107	60
29	66	55	376	508	------	1,300	152	168	23	477	74	74
30	60	53	281	316	------	987	198	76	21	672	54	44
31	54	------	376	231	------	1,030	------	60	------	221	82	------
TOTAL	2,493	2,913	9,774	23,375	28,780	21,469	12,782	7,777	1,641	3,756	2,251	1,383
MEAN	80.4	97.1	315	754	1,028	693	426	251	54.7	121	72.6	46.1
MAX	595	332	1,810	5,590	6,580	1,660	1,950	2,330	245	1,330	413	117
MIN	16	30	41	109	127	193	73	60	20	14	32	27
CFSM	.31	.37	1.20	2.88	3.92	2.65	1.63	.96	.21	.46	.28	.18
IN.	.35	.41	1.39	3.32	4.09	3.05	1.81	1.10	.23	.53	.32	.20

CAL YR 1970 TOTAL 182,567 MEAN 500 MAX 19,100 MIN 16 CFSM 1.91 IN 25.92
WTR YR 1971 TOTAL 118,394 MEAN 324 MAX 6,580 MIN 14 CFSM 1.24 IN 16.81

PEAK DISCHARGE (BASE, 8,000 CFS).--No peak above base.

07274500 Enid Lake near Enid, Miss.
(Formerly published as Enid Reservoir near Enid)

LOCATION.--Lat 34°09'29", long 89°54'14", in SW¼NE¼ sec.2, T.11 S., R.7 W., Chickasaw meridian, Yalobusha County, in gatehouse of dam on Yocona River, 0.8 mile upstream from U.S. Highway 51, 2.8 miles upstream from Illinois Central Railroad bridge, 3.2 miles northeast of Enid, and 13.5 miles upstream from the mouth of Yocona River.

DRAINAGE AREA.--560 sq mi.

PERIOD OF RECORD.--July 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to May 24, 1952, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 200.00 ft above mean sea level.

EXTREMES.--Current year: Maximum contents, 387,300 acre-ft May 17 (elevation, 256.50 ft); minimum, 58,100 acre-ft Dec. 20 (elevation, 230.08 ft).

Period of record: Maximum contents, 642,000 acre-ft May 13, 1970 (elevation, 267.35 ft); minimum since initial filling of reservoir to conservation level, 480 acre-ft Sept. 23 to Oct. 7, 1952; minimum elevation, 207.10 ft Oct. 3-7, 1952.

REMARKS.--Reservoir is formed by rolled-filled earth dam with concrete spillway and outlet tunnel. Storage began July 16, 1951. Capacity, 660,000 acre-ft at elevation 268.0 ft (crest of spillway) of which about 602,400 acre-ft is available for flood control and about 57,600 acre-ft in permanent storage which will be maintained for incidental recreational purposes at elevation 230.0 ft (25 ft above sill of outlet tunnel). Water below elevation 205.0 ft cannot be withdrawn through outlet tunnel. Figures given herein represent total contents. Reservoir used only for flood control.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

Capacity table (elevation, in feet, and
contents, in thousands of acre-feet)

230	57.6	250	270.0
235	93.4	255	358.2
240	139.4	260	460.2
245	197.3		

CONTENTS, IN THOUSANDS OF ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	285.2	223.9	125.6	80.7	164.6	296.9	337.5	375.7	364.3	303.1	254.5	229.0
2	282.8	220.3	121.7	78.9	165.0	298.9	341.7	374.5	363.0	302.6	253.3	228.0
3	279.5	216.4	117.7	76.8	165.0	300.5	343.2	372.9	361.6	300.1	251.9	227.2
4	276.2	212.7	114.0	75.3	164.9	301.7	344.2	371.6	359.7	297.6	250.7	226.2
5	272.8	209.1	110.0	75.8	170.4	301.5	344.3	371.0	357.6	294.5	249.6	225.1
6	269.4	205.8	106.1	77.0	173.7	301.4	344.0	369.3	355.7	292.1	248.8	223.8
7	267.6	202.5	102.2	78.3	174.9	301.0	343.8	369.7	353.9	289.0	247.6	223.1
8	265.2	199.1	98.3	79.6	175.3	300.5	343.4	368.9	351.8	286.3	246.6	222.1
9	262.2	196.7	94.4	80.4	176.1	298.9	342.1	368.3	349.9	283.5	246.6	221.0
10	259.2	194.6	90.7	81.0	176.7	302.2	341.7	367.6	347.9	280.7	249.3	219.6
11	256.4	191.8	86.8	81.6	177.1	308.5	341.0	367.2	345.8	277.6	250.5	218.2
12	255.5	188.9	83.2	82.1	178.1	310.5	340.1	367.6	343.6	274.9	251.0	214.3
13	258.1	185.9	79.7	82.5	181.8	313.7	338.9	376.4	341.6	272.0	250.4	209.1
14	266.0	183.2	76.1	82.8	184.5	317.0	338.9	382.1	339.1	269.5	249.8	202.9
15	266.8	180.4	72.5	83.1	185.7	317.6	337.1	384.7	337.3	267.0	249.1	196.7
16	267.3	181.2	69.4	83.6	186.9	318.1	335.8	386.5	336.0	264.3	248.5	190.4
17	265.4	179.5	67.5	83.8	187.2	317.6	334.9	387.3	334.2	261.4	247.3	184.6
18	263.5	175.6	64.5	84.0	187.9	316.5	334.2	386.3	332.0	258.9	245.8	178.5
19	261.6	171.8	61.3	84.2	188.6	313.8	333.1	385.1	331.1	255.6	244.6	172.5
20	258.9	167.2	58.1	84.3	193.3	314.2	331.8	384.3	330.4	253.1	243.4	167.1
21	256.1	163.2	59.0	84.5	198.0	313.7	355.0	383.1	329.5	250.5	241.9	161.4
22	253.0	159.2	60.8	84.5	234.9	312.2	365.8	381.3	326.9	248.2	240.2	155.5
23	249.9	155.4	63.4	85.2	255.0	312.6	368.5	379.4	324.4	246.1	239.9	149.7
24	247.9	151.4	68.6	89.0	265.8	312.4	373.1	377.2	321.3	245.3	238.6	144.1
25	245.2	147.4	72.6	138.0	269.4	312.4	375.7	375.5	318.4	248.4	237.2	138.2
26	242.5	142.8	75.6	152.6	276.1	320.0	377.4	373.5	315.8	254.2	236.2	132.7
27	239.8	139.1	77.7	158.6	290.2	323.1	377.0	371.6	312.8	255.5	234.9	127.1
28	236.6	135.3	79.2	160.8	294.7	325.3	376.4	371.8	312.1	255.9	233.4	121.4
29	234.0	131.3	80.1	162.5	------	330.4	375.8	370.3	309.1	255.3	232.0	115.5
30	231.3	128.9	81.0	163.2	------	334.6	376.6	368.3	306.2	255.9	230.8	109.8
31	227.7	------	81.5	163.9	------	336.4	------	366.4	------	255.9	229.5	------
MAX	285.2	223.9	215.6	163.9	294.7	336.4	377.4	387.3	364.3	303.1	254.5	229.0
MIN	227.7	128.9	58.1	75.3	164.6	296.9	331.8	366.4	306.2	245.3	229.5	109.8
(†)	247.05	238.74	233.49	242.30	251.57	253.89	255.93	255.36	252.03	249.05	247.32	236.48
(‡)	-976	-1,652	-738	+1,348	+2,373	+672	+647	-177	-1,025	-799	-421	-2,070

CAL YR 1970 .... ‡ -159
WTR YR 1971 .... ‡ -248

† Elevation, in feet, at 2400 on last day of month.
‡ Change in contents, equivalent in cubic feet per second.

07275000 Yocona River at Enid Dam, near Enid, Miss.

LOCATION.--Lat 34°09'29", long 89°54'14", in SW¼NE¼ sec.2, T.11 S., R.7 W., Chickasaw meridian, Yalobusha County, in gatehouse at Enid Dam, 0.8 mile upstream from U.S. Highway 51, 2.8 miles upstream from Illinois Central Railroad bridge, 3.2 miles northeast of Enid, and 13.5 miles upstream from mouth.

DRAINAGE AREA.--560 sq mi.

PERIOD OF RECORD.--July 1928 to current year. Prior to October 1951, published as Yocona River near Enid. Monthly discharge only for some periods, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level. Prior to July 14, 1939, nonrecording gage; and July 14, 1939, to Aug. 19, 1940, water-stage recorder at site 150 ft downstream from bridge on U.S. Highway 51, 0.8 mile downstream. Aug. 20, 1940, to July 15, 1951, water-stage recorder at bridge on U.S. Highway 51. July 16, 1951, to May 23, 1952, nonrecording gage at present site. Prior to July 16, 1951, at datum 189.42 ft above mean sea level; July 16, 1951, to Sept. 30, 1958, at datum 200.00 ft above mean sea level.

AVERAGE DISCHARGE.--43 years, 828 cfs (20.08 inches per year), unadjusted.

EXTREMES.--Current year: Maximum daily discharge, 3,350 cfs Sept. 14; minimum discharge, 5.0 cfs at times.
Period of record: Maximum discharge, 36,300 cfs Feb. 14, 1948 (gage height, 21.61 ft, site and datum then in use); maximum discharge since July 1951, when regulation began 6,060 cfs Dec. 28, 1951; no flow at times each year July 1951 to December 1958; minimum discharge prior to construction of Enid Dam, 34 cfs Sept. 28, 1931, but may have been less during period of estimated record October to December 1931.

REMARKS.--Flow completely regulated by Enid Lake (formerly Enid Reservoir) since July 16, 1951 (see sta 07274500).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1281: 1929, 1945. WSP 1311: 1929(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	544	1,950	2,220	1,540	312	5.0	739	759	1,100	1,360	1,020	673
2	1,700	1,940	2,200	1,530	312	5.0	741	992	1,100	1,360	1,020	672
3	1,690	1,930	2,170	1,520	312	5.0	742	999	1,100	1,360	822	672
4	1,690	1,920	2,160	1,520	312	449	743	757	1,100	1,350	688	671
5	1,680	1,920	2,130	670	314	719	742	756	1,100	1,350	687	670
6	1,360	1,910	2,110	264	316	719	742	756	1,100	1,350	686	669
7	1,270	1,900	2,090	266	316	718	742	756	1,100	1,340	686	669
8	1,670	1,890	2,070	266	316	1,080	742	756	1,100	1,340	685	668
9	1,670	1,890	2,050	266	316	1,360	741	755	1,090	1,340	685	667
10	1,660	1,880	2,030	267	316	1,360	741	755	1,090	1,340	478	666
11	1,660	1,880	2,010	268	317	1,360	741	755	1,090	1,330	344	1,510
12	1,660	1,870	1,990	268	318	1,370	740	756	1,090	1,330	344	2,300
13	436	2,210	1,980	268	319	1,370	740	280	1,090	1,330	344	3,080
14	5.0	2,360	1,960	268	320	1,370	938	5.0	1,090	1,120	344	3,350
15	5.0	919	1,940	268	320	1,370	975	5.0	1,080	1,140	344	3,320
16	445	754	1,920	269	321	1,370	738	5.0	1,080	1,320	536	3,290
17	1,020	1,860	1,910	269	321	1,370	737	485	1,080	1,310	685	3,270
18	1,020	2,330	1,890	269	321	1,370	737	764	917	1,310	684	3,230
19	1,300	2,310	1,870	269	322	1,370	736	764	368	1,310	684	3,200
20	1,660	2,290	752	270	324	1,370	697	763	367	1,300	683	3,180
21	1,660	2,280	251	270	260	1,370	5.0	896	996	1,100	682	3,150
22	1,660	2,260	252	270	5.0	1,150	5.0	1,120	1,380	1,010	681	3,110
23	1,650	2,240	255	270	5.0	725	5.0	1,120	1,380	1,010	680	3,080
24	1,650	2,220	259	88	5.0	725	5.0	1,110	1,380	1,010	680	3,050
25	1,640	2,200	262	5.0	5.0	726	5.0	1,110	1,370	193	679	3,020
26	1,640	2,180	264	5.0	5.0	730	416	1,110	1,370	5.0	678	2,980
27	1,630	2,160	265	211	5.0	731	760	1,110	1,370	5.0	677	3,030
28	1,630	2,150	266	310	5.0	732	759	1,110	1,370	550	676	3,160
29	1,620	1,770	266	310		736	759	1,110	1,360	1,020	675	3,120
30	1,850	1,540	676	311	------	738	759	1,110	1,360	1,020	674	3,080
31	1,960	------	1,540	311	------	738	------	1,110	------	1,020	673	------
TOTAL	42,735	58,913	44,008	13,156	6,640.0	29,211.0	18,672.0	24,639.0	33,568	34,233.0	19,904	67,207
MEAN	1,379	1,964	1,420	424	237	942	622	795	1,119	1,104	642	2,240
MAX	1,960	2,360	2,220	1,540	324	1,370	975	1,120	1,380	1,360	1,020	3,350
MIN	5.0	754	251	5.0	5.0	5.0	5.0	5.0	367	5.0	344	666
(†)	-976	-1,652	-738	+1,348	+2,373	+672	+647	-177	-1,025	-799	-421	-2,070

CAL YR 1970 TOTAL 463,902 MEAN 1,271 MAX 2,360 MIN 5.0 (†) -159
WTR YR 1971 TOTAL 392,886 MEAN 1,076 MAX 3,350 MIN 5.0 (†) -248

† Change in contents, equivalent in cubic feet per second, in Enid Lake, formerly Enid Reservoir (see sta 07274500).

07278000 Arkabutla Lake near Arkabutla, Miss.
(Formerly published as Arkabutla Reservoir near Arkabutla)

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S,, R.9 W., Chickasaw meridian, De Soto County, in gatehouse of dam on Coldwater River, 4 miles north of Arkabutla, and 54.3 miles upstream from the mouth of Coldwater River.

DRAINAGE AREA.--1,000 sq mi, approximately.

PERIOD OF RECORD.--August 1941 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to July 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 191.18 ft above mean sea level.

EXTREMES.--Current year: Maximum contents, 201,500 acre-ft Feb. 27 (elevation, 225.32 ft); minimum, 32,800 acre-ft Jan. 19 (elevation, 209.53 ft).

Period of record: Maximum contents, 649,900 acre-ft May 21, 1953 (elevation, 241.74 ft); minimum, since initial filling of reservoir to conservation level, 30 acre-ft at times during 1942-45; minimum elevation, 192.83 ft Aug. 25, 1943.

REMARKS.--Reservoir is formed by rolled-filled earth dam with concrete spillway and outlet tunnel. Storage began Aug. 14, 1941. Dam completed Aug. 31, 1945. Capacity, 525,300 acre-ft at elevation 238.3 ft (crest of spillway), of which about 493,800 acre-ft is available for flood-control storage and about 31,500 acre-ft is permanent storage which will be maintained for incidental recreational purposes at elevation 209.3 ft (18 ft above sill of outlet gates). Water below elevation 191.3 ft cannot be withdrawn through outlet tunnel. Figures given herein represent total contents. Reservoir used only for flood control.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1007: 1941. WSP 1241: 1947.

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

209	30.1	217	88.4	223	163.7
211	41.0	219	110.2	225	195.9
213	54.2	221	135.2	227	232.2
215	69.8				

CONTENTS, IN THOUSANDS OF ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86.1	114.3	70.6	75.8	84.7	195.4	117.2	98.9	129.2	115.6	102.3	89.8
2	84.9	115.0	66.7	72.1	84.9	191.0	116.3	98.1	129.2	114.6	102.0	87.1
3	83.4	115.1	63.1	68.5	85.8	186.2	117.0	97.5	129.1	113.7	106.0	84.2
4	82.0	115.4	59.4	66.8	86.7	182.6	115.5	96.8	128.4	112.6	109.4	81.3
5	80.7	115.5	55.6	67.7	89.5	178.3	112.5	95.9	127.5	111.5	110.6	78.3
6	79.3	116.0	51.7	68.2	90.7	174.4	109.0	95.2	126.6	110.7	111.3	75.9
7	78.1	116.3	48.3	66.3	88.7	171.3	106.0	95.2	125.9	109.6	113.7	73.4
8	77.1	116.8	44.4	63.8	85.2	169.0	102.0	94.5	125.4	108.8	115.1	73.0
9	78.1	118.1	40.4	60.6	81.5	165.2	98.0	94.1	124.7	107.9	115.8	73.0
10	77.6	119.1	38.5	57.5	77.4	161.7	94.4	93.4	124.2	106.9	120.9	73.0
11	77.0	120.0	36.6	54.5	73.2	161.2	90.9	95.7	123.4	105.9	122.0	73.0
12	76.3	120.7	35.9	51.3	69.6	158.2	87.2	98.9	122.4	104.9	123.7	72.7
13	77.5	121.3	35.9	48.3	82.4	155.7	85.0	112.0	121.7	104.4	124.0	71.8
14	90.9	119.1	35.7	45.4	94.3	156.6	84.2	125.7	121.1	103.9	124.0	70.9
15	97.7	116.2	35.6	42.7	97.3	154.4	83.5	131.7	119.2	103.6	123.7	70.1
16	100.5	113.8	35.9	40.5	98.4	152.1	82.8	134.0	120.3	103.3	123.4	69.3
17	102.0	111.0	36.3	37.9	98.7	148.9	82.3	135.7	119.7	102.7	122.4	68.7
18	103.4	108.5	36.4	35.5	98.2	145.6	81.6	135.9	119.2	102.3	121.6	67.3
19	104.6	106.1	36.5	32.8	94.6	143.1	81.2	135.2	119.5	101.8	120.4	65.9
20	105.9	104.8	38.2	33.1	97.0	141.9	80.3	134.5	122.2	101.5	119.6	65.0
21	106.6	104.3	46.6	33.2	98.8	140.1	83.4	133.9	122.2	100.9	118.5	63.9
22	107.2	102.1	58.1	33.5	136.8	137.1	86.7	132.8	121.8	100.5	117.3	62.7
23	107.8	99.5	65.5	36.8	176.4	132.6	88.8	131.9	121.7	99.9	116.9	61.5
24	109.0	97.6	76.7	47.2	187.5	127.9	92.2	131.0	120.3	100.1	116.0	60.4
25	110.1	93.9	83.9	70.8	197.5	123.4	95.7	131.8	120.0	100.6	113.2	59.5
26	111.0	89.8	86.9	81.6	201.3	125.1	97.3	132.4	119.0	101.4	109.4	58.3
27	112.0	86.0	89.3	84.5	201.5	127.2	98.8	131.9	118.0	102.0	106.0	58.0
28	112.5	82.2	90.5	85.9	199.2	124.8	99.7	132.3	117.8	101.9	102.9	57.0
29	113.1	78.6	87.5	87.0		123.2	99.8	131.7	117.2	102.0	99.2	56.2
30	113.6	74.6	83.5	87.2	------	122.6	99.6	130.9	116.3	102.4	96.0	55.3
31	113.9	------	79.7	86.2	------	120.6	------	130.1	------	102.4	93.2	------
MAX	113.9	121.3	90.5	87.2	201.5	195.4	117.2	135.9	129.2	115.6	124.0	89.8
MIN	76.3	74.6	35.6	32.8	69.6	120.6	80.3	93.4	116.3	99.9	93.2	55.3
(†)	219.33	215.24	215.75	216.66	225.04	219.87	218.02	220.56	219.47	218.30	217.26	213.08
(‡)	+446	-711	+73	+140	+2,009	-1,234	-363	+494	-230	-220	-182	-610

CAL YR 1970 .... ‡ -132
WTR YR 1971 .... ‡ -44

† Elevation, in feet, at 2400 on last day of month.
‡ Change in contents, equivalent in cubic feet per second.

07278500 Coldwater River at Arkabutla Dam, near Arkabutla, Miss.

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw meridian, De Soto County, in gatehouse of Arkabutla Dam, 4 miles north of Arkabutla, and 54.3 miles upstream from mouth.

DRAINAGE AREA.--1,000 sq mi, approximately.

PERIOD OF RECORD.--May 1937 to September 1941, January 1942 to current year. Prior to October 1938 monthly discharge only, published in WSP 1311. Prior to October 1941 published as "at Pratts Bridge near Arkabutla."

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1939, nonrecording gage and Oct. 1, 1939, to Sept. 30, 1941, water-stage recorder at site 1.7 miles downstream at datum 187.54 ft above mean sea level. Jan. 1 to June 30, 1942, nonrecording gage 135 ft downstream from outlet tunnel of Arkabutla Dam and July 1, 1942, to Dec. 31, 1947, water-stage recorder at site 370 ft downstream from outlet tunnel, both at datum 171.28 ft above mean sea level. Jan. 1, 1948, to Sept. 30, 1958, at present site at datum 191.18 ft above mean sea level.

AVERAGE DISCHARGE.--33 years, 1,279 cfs (17.37 inches per year), unadjusted.

EXTREMES.--Current year: Maximum daily discharge, 2,880 cfs Feb. 27; minimum discharge, 5.0 cfs at times.
Period of record: Maximum discharge observed, 30,200 cfs Jan. 22, 1938 (gage height, 12.9 ft, site and datum then in use); no flow at times each year 1942 to 1958; minimum daily discharge, prior to the effect of construction of Arkabutla Lake (formerly Arkabutla Reservoir), 120 cfs Oct. 15, 1938.
A stage of 21.3 ft (from floodmarks) occurred in January 1935 at original site and datum.

REMARKS.--Flow completely regulated by Arkabutla Lake (formerly Arkabutla Reservoir) since January 1942 (see sta 07278000). Records of chemical analyses for the current year are published in Part 2 of this report.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1241: 1946. WSP 1441: 1938(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	973	5.0	1.880	2.310	624	2.780	2.380	600	625	614	322	1.620
2	865	5.0	1.820	2.250	5.0	2.740	2.380	599	625	614	322	1.570
3	864	5.0	1.850	2.180	5.0	2.670	2.390	599	625	613	265	1.520
4	862	5.0	2.000	2.160	519	2.620	2.360	598	625	612	5.0	1.460
5	862	5.0	1.930	2.180	1.820	2.570	2.300	597	624	611	5.0	1.410
6	860	5.0	1.860	2.180	2.580	2.510	2.250	596	623	610	221	1.360
7	859	5.0	1.920	2.140	2.540	2.480	2.190	596	623	609	330	760
8	858	5.0	2.020	2.090	2.480	2.430	2.120	596	622	609	331	172
9	859	5.0	1.330	2.030	2.410	2.390	2.050	595	622	608	333	172
10	859	5.0	978	1.970	2.330	2.350	2.000	595	621	607	335	172
11	858	5.0	668	1.910	2.260	2.330	1.930	598	621	606	336	436
12	858	5.0	340	1.850	1.890	2.290	1.480	602	620	418	337	573
13	334	1.020	339	1.780	1.170	2.260	899	200	619	324	337	572
14	5.0	1.710	337	1.730	1.340	2.270	586	5.0	619	323	337	571
15	5.0	1.680	334	1.670	1.370	2.240	585	5.0	618	323	337	570
16	5.0	1.620	339	1.620	1.390	2.200	584	5.0	618	323	491	569
17	5.0	1.580	348	1.570	1.400	2.160	583	381	618	322	620	747
18	5.0	1.550	352	1.510	1.980	2.100	583	630	617	322	619	871
19	5.0	1.510	355	692	2.650	2.080	582	630	618	322	618	841
20	5.0	1.490	402	297	2.700	2.060	582	629	620	322	617	826
21	5.0	1.480	564	299	1.850	2.020	586	629	620	322	616	806
22	5.0	1.450	1.150	304	5.0	2.370	588	628	620	321	616	783
23	5.0	1.400	1.060	375	5.0	2.620	591	627	619	321	615	770
24	5.0	1.750	1.060	571	52	2.560	594	627	618	321	1.140	739
25	5.0	1.990	1.160	965	1.090	2.500	597	628	618	322	1.870	723
26	5.0	1.920	1.210	1.120	2.870	2.550	599	628	617	322	1.950	704
27	5.0	1.860	1.250	1.170	2.880	2.550	600	628	616	322	1.890	697
28	5.0	1.790	1.920	1.190	2.840	2.510	601	628	616	323	1.850	680
29	5.0	1.910	2.520	1.200		2.490	601	627	616	323	1.790	666
30	5.0	1.950	2.440	1.200	------	2.480	601	627	615	322	1.730	651
31	5.0	------	2.380	1.180	------	2.440	------	626	------	322	1.680	------
TOTAL	10,861.0	29,720.0	38,116	45,693	45,055.0	74,620	36,772	16,559.0	18,598	13,253	22,865.0	24,011
MEAN	350	991	1,230	1,474	1,609	2,407	1,226	534	620	428	738	800
MAX	973	1,990	2,520	2,310	2,880	2,780	2,390	630	625	614	1,950	1,620
MIN	5.0	5.0	334	297	5.0	2,020	582	5.0	615	321	5.0	172
(†)	+446	-711	+73	+140	+2,009	-1,234	-363	+494	-230	-220	-182	-610

CAL YR 1970 TOTAL 509,607 MEAN 1,396 MAX 3,450 MIN 5.0 (†) -132
WTR YR 1971 TOTAL 376,123 MEAN 1,030 MAX 2,880 MIN 5.0 (†) -44

† Change in contents, equivalent in cubic feet per second, in Arkabutla Lake, formerly Arkabutla Reservoir (see sta 0727800).

07280000 Tallahatchie River near Lambert, Miss.

LOCATION.--Lat 34°10'50", long 90°12'55", in NE¼SW¼ sec.29, T.27 N., R.1 E., Choctaw meridian, Quitman County, near center of span on downstream side of highway bridge, 0.2 mile downstream from Coldwater River, 3.5 miles southeast of Lambert, and 24.5 miles downstream from point of diversion of Panola-Quitman Floodway.

DRAINAGE AREA.--1,980 sq mi, approximately (does not include 2,600 sq mi of upper Tallahatchie and Yocona Rivers, the entire flow of which is diverted 24.5 miles upstream through Panola-Quitman Floodway).

PERIOD OF RECORD.--October 1935 to current year. Prior to October 1938, monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 123.83 ft above mean sea level (levels by Corps of Engineers). Prior to Sept. 5, 1946, nonrecording gage at same site and datum. Since Sept. 11, 1946, auxiliary water-stage recorder 5.8 miles downstream from base gage at datum 2.66 ft higher. Dec. 9, 1938, to Sept. 10, 1946, auxiliary nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--36 years, 2,579 cfs (17.69 inches per year), unadjusted.

EXTREMES.--Current year: Maximum daily discharge, 9,700 cfs Feb. 23 (gage height, 29.26 ft); minimum daily, 85 cfs Nov. 3-5.

Period of record: Maximum discharge observed, 32,800 cfs Jan. 30, 1937 (gage height, 35.54 ft); minimum, 59 cfs Oct. 27-29, 1942; minimum gage height, 5.85 ft Oct. 16-21, 1938.

A stage of 36.8 ft (from floodmarks) occurred in January 1932 (probably affected by levee breaks above).

REMARKS.--Flow partly regulated by Arkabutla Lake (formerly Arkabutla Reservoir) on Coldwater River (see sta 07278000). Records of chemical analyses for the current year are published in Part 2 of this report.

COOPERATION.--Twenty-five discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1281: 1939.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	700	108	2.340	3.120	2.580	7.060	4.090	996	904	846	950	1.660
2	310	105	2.340	3.120	2.060	6.500	3.540	910	1.090	822	822	1.660
3	450	85	2.340	3.010	1.300	5.780	3.810	826	998	811	970	1.760
4	540	85	2.330	2.860	1.040	5.040	3.510	940	816	794	1.980	1.740
5	540	85	2.330	3.440	964	4.380	3.320	1.060	808	784	1.860	1.810
6	540	88	2.310	4.240	3.250	3.930	3.220	1.040	830	782	1.560	1.900
7	540	92	2.280	4.130	3.970	3.690	2.960	955	1.080	822	2.500	1.630
8	490	110	2.250	3.450	4.040	3.440	2.960	1.330	2.070	906	2.500	1.690
9	720	250	2.250	3.150	3.860	3.180	3.050	1.260	2.140	886	2.170	1.270
10	1.120	600	2.190	2.810	3.750	3.400	2.860	1.140	1.760	818	1.690	849
11	1.000	460	1.900	2.660	3.610	3.770	2.790	813	1.520	786	2.240	740
12	900	310	1.620	2.490	3.430	3.700	2.660	2.000	1.130	774	2.030	746
13	2.620	190	1.130	2.330	5.020	4.620	2.500	4.110	970	768	1.680	783
14	6.100	600	790	2.290	6.320	4.480	1.990	6.190	967	712	1.480	743
15	5.190	1.720	630	2.590	5.850	4.300	1.340	5.290	959	660	1.110	684
16	3.390	1.700	520	2.630	5.260	4.060	1.160	4.430	970	632	901	644
17	1.320	1.450	440	2.340	4.480	4.000	980	3.530	1.000	644	715	619
18	290	1.650	400	2.140	4.090	3.460	702	2.590	1.030	649	842	638
19	190	1.890	340	2.010	3.760	3.370	843	2.200	1.290	655	876	871
20	170	2.040	570	1.690	4.510	3.720	936	1.840	2.230	645	818	975
21	490	2.100	1.270	945	5.360	3.150	1.150	1.480	1.770	641	818	1.020
22	760	2.100	2.620	367	7.890	3.130	3.250	1.210	1.170	615	819	1.030
23	770	1.900	3.610	930	9.700	2.280	2.570	1.110	760	593	807	784
24	910	1.730	4.400	2.550	9.650	3.240	2.620	1.020	837	603	914	645
25	1.290	1.730	3.890	7.650	8.950	3.200	2.470	1.040	863	698	920	634
26	790	2.300	3.150	7.650	8.100	4.460	2.280	1.410	870	822	1.650	625
27	610	2.480	2.490	6.650	8.130	4.810	1.670	1.370	866	904	2.030	616
28	330	2.430	2.040	5.430	7.840	4.580	1.310	1.200	902	691	2.620	826
29	160	2.400	2.020	4.300		4.190	1.140	1.310	904	850	2.380	907
30	105	2.380	2.690	3.440	------	4.460	1.030	1.070	873	834	1.980	904
31	108	------	3.000	2.770	------	4.200	------	980	------	1.300	1.880	------
TOTAL	33,443	35,168	62,480	99,182	138,764	127,580	68,711	56,650	34,377	23,747	46,512	31,403
MEAN	1,079	1,172	2,015	3,199	4,956	4,115	2,290	1,827	1,146	766	1,500	1,047
MAX	6,100	2,480	4,400	7,650	9,700	7,060	4,090	6,190	2,230	1,300	2,620	1,900
MIN	105	85	340	367	964	2,280	702	813	760	593	715	616

CAL YR 1970 TOTAL 1,065,486 MEAN 2,919 MAX 11,100 MIN 85 (†) -132
WTR YR 1971 TOTAL 758,017 MEAN 2,077 MAX 9,700 MIN 85 (†) -44

† Change in contents, equivalent in cubic feet per second, in Arkabutla Lake, formerly Arkabutla Reservoir (see sta 07278000).

07281000 Tallahatchie River at Swan Lake, Miss.

LOCATION.--Lat 33°51'35", long 90°16'35", on line between secs.14 and 15, T.23 N., R.1 W., Choctaw meridian, Tallahatchie County, on downstream side of left pier of highway bridge, 1 mile southeast of Swan Lake, 3 miles downstream from Cassidy Bayou, and 18 miles downstream from point where Panola-Quitman floodway empties into Tallahatchie River.

DRAINAGE AREA.--5,130 sq mi, approximately.

PERIOD OF RECORD.--November 1929 to September 1938 (except low-water periods). October 1938 to current year. Monthly discharge only for some periods, published in WSP 1311. Gage-height records collected in same vicinity since November 1904 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 113.38 ft above mean sea level. Prior to Oct. 11, 1934, nonrecording gage at datum 2.00 ft higher; Oct. 11, 1934, to Sept. 18, 1944, nonrecording gage at present datum; and Sept. 19, 1944, to Dec. 31, 1958, water-stage recorder at present datum, all at site 1.3 miles upstream. Oct. 4, 1944, to Dec. 31, 1958, auxiliary water-stage recorder at site 2.8 miles downstream from former base gage at datum 0.95 ft lower. Nov. 22, 1939, to Oct. 3, 1944, auxiliary nonrecording gage at site 3.8 miles downstream from former base gage at same datum.

AVERAGE DISCHARGE.--33 years (1938-71), 7,207 cfs (19.08 inches per year), unadjusted.

EXTREMES.--Current year: Maximum daily discharge, 14,900 cfs Feb. 27, 28 (gage height, 25.70 ft); minimum daily, 2,690 cfs Dec. 19; minimum gage height, 9.69 ft Jan. 22.

Period of record: Maximum discharge observed, 49,200 cfs Apr. 9, 1933; maximum gage height, 37.0 ft Jan. 15, 1932, present datum (affected by break in levee); minimum daily discharge determined, 213 cfs Oct. 27, 1942; minimum gage height, 1.38 ft Oct. 26-28, 1942.

REMARKS.--Flow partly regulated by Sardis Lake on Tallahatchie River (see sta 07272000), Enid Lake on Yocona River (see sta 07274500), and Arkabutla Lake on Coldwater River (see sta 07278000).

COOPERATION.--Twenty-seven discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1711: 1932(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.520	6.150	7.700	6.100	11.600	14.800	11.700	4.640	3.800	5.740	5.180	4.700
2	6.120	6.140	7.730	6.220	10600	14.500	11.600	4400	3.860	5.600	6.300	4.760
3	6.640	6.130	7.750	6.160	9.140	14.100	11.500	4.220	3.980	5.600	5.880	5.420
4	6.710	6.120	7.740	6.470	7.280	13.700	11.300	4040	4.700	5.480	5.880	6.020
5	6.760	6.120	7.740	7.380	7.070	13.200	11.000	3.740	5.180	5.420	5.810	6.300
6	6.740	6.120	7.730	7.100	7.560	12.700	10600	3.620	5.360	5.360	5.420	6.300
7	6.740	6.210	7.700	6.540	7.350	12.300	10.300	3.560	5.810	5.600	5.600	6.300
8	6.620	6.290	7.620	6.040	7.140	11.900	9.750	3.620	6.580	5.950	6.160	6.230
9	6.740	6.500	7.570	5.560	6.860	11.500	8.980	3.980	7.000	5.950	6.020	5.950
10	7.010	6.700	7.570	5.140	6.510	11.300	8.020	3.800	7.070	5.600	6.440	5.540
11	7.150	6.700	7.400	4.780	6.160	11.200	7.000	3.980	7.000	5.360	5.950	5.240
12	7.170	6.410	7.040	4.550	6.020	11.400	6.300	4.700	6.930	5.300	4.940	5.240
13	8.400	6.260	6.210	4.350	7.560	11.800	5.740	7.940	6.930	5.180	4.040	5.240
14	10.000	6.780	5.000	4.250	8.340	12.100	5.300	9.390	6.930	5.000	3.390	5.000
15	10.500	7.740	4.220	4.960	8.580	12.300	4.880	9.930	6.860	4.700	3.390	4.640
16	9.890	7.790	3700	5.020	8.500	12.300	4.400	9.570	6.860	4.520	3.440	4.340
17	8.160	7.450	3180	4.550	8.180	12.200	3.980	8.420	6.930	4.520	3.440	4.160
18	6.850	7.780	2.790	4.250	7.350	12.100	3.800	6.860	7.140	4.520	3.560	4.100
19	6.060	8.040	2.690	4.050	6.370	11.900	3.680	5.540	8.260	4.520	3.920	4.100
20	5.880	8.200	2.770	3.850	7.420	11.700	3.620	4.760	8.100	4.520	4.220	4.280
21	6.030	8.240	3.850	3.400	8.900	11.500	7.280	4400	6.370	4.520	4.280	4.400
22	7.010	8.260	5.210	3.000	11.500	11.300	9.660	4.160	5.120	4.340	4.340	4.280
23	6.620	8.270	6.910	4.840	12.900	11.500	10.200	4.160	5.420	4.160	4.520	4.160
24	6.780	8.120	7.490	8.430	13.700	11.400	9.930	4.100	5.810	4.220	4.760	4.100
25	7.610	8.060	6.960	11.100	14.000	11.300	9.140	4.160	6.020	5.060	4.520	4040
26	7.290	8.040	6.100	12.500	14.500	11.400	7.780	4.280	6.020	5.540	4.400	3.980
27	7.020	8.010	5.100	13.100	14.900	11.500	6.440	4.280	6.090	4.820	4.520	3.980
28	6.580	8.000	4.320	13.200	14.900	11.500	5.480	4.400	6.160	4.340	4.760	4.160
29	6.460	7.980	4.100	13.100		11.800	4.820	4.340	6.230	5.600	4.820	4.100
30	6.240	7.900	4.610	12.900	------	11.900	4.520	4.100	6.020	6.370	4.820	4.040
31	6.150	------	5.390	12.400	------	11.800	------	3.920	------	7.070	4.760	------
TOTAL	220,550	216,510	181,890	215,290	260,890	375,900	228,700	157,010	184,540	160,480	149,480	145,100
MEAN	7,115	7,217	5,867	6,945	9,318	12,130	7,623	5,065	6,151	5,177	4,822	4,837
MAX	10,500	8,270	7,750	13,200	14,900	14,800	11,700	9,930	8,260	7,070	6,440	6,300
MIN	5,880	6,120	2,690	3,000	6,020	11,200	3,620	3,560	3,800	4,160	3,390	3,980

CAL YR 1970 TOTAL 3,105,420 MEAN 8,508 MAX 14,900 MIN 2,690 (†) -521
WTR YR 1971 TOTAL 2,496,340 MEAN 6,839 MAX 14,900 MIN 2,690 (†) -435

† Change in contents, equivalent in cubic feet per second, in Sardis, Enid, and Arkabutla Lakes, formerly reservoirs (see stas. 07272000, 07274500, and 07278000).

07282000 Yalobusha River at Calhoun City, Miss.

LOCATION.--Lat 33°50'20", long 89°18'55", in SE¼SE¼ sec.23, T.23 N., R.9 E., Choctaw meridian, Calhoun County, on left bank of Yalobusha River Canal at downstream side of bridge on State Highway 9, 0.8 mile upstream from Topashaw Creek, 1.2 miles south of Calhoun City, 1.5 miles upstream from old channel, and 4.8 miles upstream from Topashaw Creek Canal. Records include flow in Topashaw Creek Canal and all supplemental channels.

DRAINAGE AREA.--305 sq mi (combined drainage area of all channels).

PERIOD OF RECORD.--October 1950 to current year.

GAGE.--Water-stage recorder, and nonrecording gage read twice daily. Datum of gage is 236.06 ft above mean sea level (levels by Corps of Engineers). Prior to Nov. 15, 1950, nonrecording gage at site 75 ft downstream at same datum. Water-stage recorder and nonrecording gage read twice daily on Topashaw Creek Canal, 2.5 miles southwest of base gage. Prior to Aug. 16, 1963, nonrecording gage and crest stage gage on Topashaw Creek Canal.

AVERAGE DISCHARGE.--21 years, 345 cfs (15.36 inches per year).

EXTREMES.--Current year: Maximum discharge, 28,300 cfs Feb. 21; maximum gage height at river gage, 10.81 ft Feb. 21; minimum daily discharge, 1.2 cfs Oct. 5, 6.

Period of record: Maximum discharge, 29,300 cfs Dec. 30, 1969; maximum gage height at river gage, 15.22 ft Mar. 29, 1951 (corrected); no flow at times.

REMARKS.--Records fair. Discharge computed by combining the flow of individually rated Yalobusha River and Topashaw Creek Canal. Channel rectification of both Yalobusha River and Topashaw Creek was completed in 1967.

REVISIONS (WATER YEARS).--WRD Miss. 1970: 1969 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	73	33	682	123	423	696	639	24	6.7	108	26
2	1.9	55	31	390	99	617	1,320	297	40	24	28	31
3	1.8	33	27	255	94	695	615	164	34	12	13	18
4	1.5	26	26	1,840	163	300	418	108	25	7.4	10	12
5	1.2	21	25	835	1,500	183	277	78	19	6.7	8.7	11
6	1.2	19	23	403	543	173	248	68	17	5.7	12	10
7	4.4	19	23	176	336	237	208	67	20	5.3	11	7.9
8	4.5	17	21	140	232	161	166	64	35	3.1	13	6.1
9	12	1,140	20	110	139	123	141	46	19	2.9	244	4.2
10	10	963	21	116	142	810	117	44	15	2.9	155	3.0
11	8.0	269	24	221	133	733	110	53	14	1.7	44	4.9
12	7,220	142	32	210	1,600	1,630	111	1,700	12	3.0	20	3.0
13	1,100	93	30	155	1,630	4,710	90	6,870	11	8.9	13	2.1
14	360	613	36	134	681	2,080	76	1,720	21	5.8	11	2.0
15	170	505	35	113	467	845	68	520	18	3.9	32	1.6
16	59	187	111	94	372	413	63	253	62	3.6	11	2.8
17	24	124	78	88	268	230	56	127	17	9.0	9.1	5.1
18	14	213	51	80	231	390	52	93	7.7	4.1	8.2	6.7
19	18	194	42	67	1,250	3,350	49	78	18	3.2	7.2	4.3
20	21	283	615	55	2,580	921	178	65	12	2.8	6.8	5.8
21	13	190	2,790	56	15,400	459	5,340	57	7.5	2.8	7.0	9.2
22	11	124	890	85	10,600	4,890	2,440	48	6.3	3.2	16	6.7
23	11	97	1,810	4,150	2,720	3,850	1,620	44	5.7	6.2	49	5.6
24	1,110	70	1,090	6,140	810	1,150	723	39	5.8	32	15	5.2
25	580	58	407	3,610	330	4,380	291	50	8.2	436	9.1	4.3
26	133	52	199	1,740	9,030	3,790	135	49	6.5	165	7.4	4.1
27	62	48	124	728	3,890	1,500	93	40	13	57	10	4.3
28	44	44	103	367	1,200	816	73	41	24	177	12	4.2
29	380	41	1,340	223	------	3,370	60	30	11	274	8.5	3.1
30	282	33	843	195	------	1,430	989	25	7.9	261	7.6	2.8
31	115	------	1,480	154	------	608	------	22	------	135	8.3	------
TOTAL	11,775.9	5,746	12,380	23,612	56,563	45,267	16,823	13,499	536.6	1,671.9	914.9	217.0
MEAN	380	192	399	762	2,020	1,460	561	435	17.9	53.9	29.5	7.23
MAX	7,220	1,140	2,790	6,140	15,400	4,890	5,340	6,870	62	436	244	31
MIN	1.2	17	20	55	94	123	49	22	5.7	1.7	6.8	1.6
CFSM	1.25	.63	1.31	2.50	6.62	4.79	1.84	1.43	.06	.18	.10	.02
IN.	1.44	.70	1.51	2.88	6.90	5.52	2.05	1.65	.07	.20	.11	.03

CAL YR 1970 TOTAL 155,916.2 MEAN 427 MAX 15,500 MIN 1.2 CFSM 1.40 IN 19.02
WTR YR 1971 TOTAL 189,006.3 MEAN 518 MAX 15,400 MIN 1.2 CFSM 1.70 IN 23.05

PEAK DISCHARGE (BASE, 11,000 CFS, REVISED)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-12	0900	-	13,900	3-22	1800	-	13,400
2-21	1230	-	28,300	3-25	1800	-	11,900
2-26	1300	-	18,800	5-13	0400	-	11,700

07283000 Skuna River at Bruce, Miss.

LOCATION.--Lat 33°58'25", long 89°20'50", in SW¼SW¼ sec.6, T.13 S., R.1 W., Chickasaw meridian, Calhoun County, near right bank on downstream side of bridge on State Highway 9, 1 mile south of Bruce.

DRAINAGE AREA.--254 sq mi.

PERIOD OF RECORD.--October 1947 to current year. Prior to March 1948 monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 238.75 ft above mean sea level (levels by Corps of Engineers). Prior to Aug. 31, 1948, nonrecording gage; Aug. 31, 1948, to Mar. 23, 1955, water-stage recorder; and Mar. 24, 1955, to Sept. 12, 1958, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--24 years, 350 cfs (18.71 inches per year).

EXTREMES.--Water year 1970: Maximum discharge, 19,100 cfs Apr. 26 (gage height, 18.91 ft); minimum daily, 4.7 cfs Sept. 19-22.
Water year 1971: Maximum discharge, 13,600 cfs Feb. 21 (gage height, 16.15 ft); minimum daily, 5.0 cfs July 23.
Period of record: Maximum discharge, 61,400 cfs Mar. 21, 1955 (gage height, 24.11 ft), from rating curve extended above 19,000 cfs on basis of incomplete current-meter measurement and computation of flow over the road and through bridge openings; minimum, 0.9 cfs Aug. 18, 1954.

REMARKS.--Records poor.

REVISIONS (WATER YEARS).--WSP 1920: 1958(P), 1959-60(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	18	17	1,260	499	160	1,460	278	37	23	11	5.6
2	8.0	11	17	377	3,040	140	5,080	356	103	19	11	5.3
3	10	8.6	17	277	1,200	491	1,550	210	486	18	100	5.6
4	8.0	7.5	17	200	363	2,340	[illegible]	150	76	16	25	6.5
5	7.2	7.3	16	150	268	743	170	100	52	15	19	6.5
6	6.8	7.3	418	170	234	296	130	66	50	14	13	5.9
7	86	7.5	1,270	140	203	210	105	45	39	13	13	5.9
8	116	7.5	502	120	173	185	88	37	29	13	12	5.9
9	18	7.3	152	110	186	170	79	35	24	60	14	5.9
10	11	7.3	98	150	160	160	72	200	21	30	23	5.6
11	9.3	12	77	374	139	200	65	763	20	13	19	5.3
12	8.3	54	64	600	100	240	62	1,340	18	300	14	5.6
13	7.8	20	55	295	90	110	60	336	17	100	12	5.3
14	7.3	12	51	200	80	70	51	150	16	70	11	5.3
15	7.0	9.1	48	160	694	60	48	60	1,190	40	10	5.0
16	7.3	9.1	46	150	2,880	81	387	45	466	24	8.4	5.0
17	7.0	9.1	43	130	1,130	153	4,570	35	63	15	17	5.0
18	6.8	297	41	110	356	697	3,280	30	25	13	9.6	5.0
19	6.8	999	40	90	214	7,840	3,280	27	19	12	7.7	4.7
20	7.0	215	38	80	150	7,590	3,690	25	17	50	7.4	4.7
21	7.3	35	624	70	120	3,990	1,230	22	16	35	20	4.7
22	7.3	22	528	65	110	2,110	254	22	15	60	15	4.7
23	6.8	20	154	60	100	722	139	21	14	90	10	6.8
24	6.4	22	75	55	90	401	1,090	20	70	16	9.6	19
25	6.6	25	1,910	60	1,390	351	2,640	20	591	14	7.7	10
26	6.8	23	1,360	86	1,350	650	10,800	19	63	14	7.1	12
27	6.6	19	427	68	360	411	4,630	18	220	13	6.8	19
28	6.4	19	173	59	216	300	1,130	18	70	12	7.4	10
29	6.2	19	2,070	772		250	327	18	37	12	6.5	8.8
30	6.2	18	12,200	951	------	210	282	21	28	11	6.5	7.7
31	11	------	6,150	236	------	200	------	23	------	11	5.9	------
TOTAL	430.6	1,947.6	28,698	7,625	15,895	31,531	47,239	4,510	3,892	1,146	459.6	212.3
MEAN	13.9	64.9	926	246	568	1,017	1,575	145	130	37.0	14.8	7.08
MAX	116	999	12,200	1,260	3,040	7,840	10,800	1,340	1,190	300	100	19
MIN	6.2	7.3	16	55	80	60	48	18	14	11	5.9	4.7
CFSM	.055	.26	3.65	.97	2.24	4.00	6.20	.57	.51	.15	.058	.028
IN.	.06	.29	4.20	1.12	2.33	4.62	6.92	.66	.57	.17	.07	.03

CAL YR 1969 TOTAL 108,064.3 MEAN 296 MAX 12,200 MIN 5.3 CFSM 1.17 IN 15.83
WAT YR 1970 TOTAL 143,586.1 MEAN 393 MAX 12,200 MIN 4.7 CFSM 1.55 IN 21.03

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-30	0645	18.67	13,800	4-17	1345	13.39	9,070
3-19	1945	18.71	18,700	4-19	1900	12.52	8,020
4- 2	0130	12.89	8,470	4-26	1245	18.91	19,100

07283000 Skuna River at Bruce, Miss.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	20	10	268	180	500	699	187	22	23	23	504
2	7.4	17	10	83	160	272	2,100	124	257	20	22	74
3	7.4	15	10	75	160	251	600	108	38	19	18	43
4	7.1	13	9.6	1.100	400	212	350	98	26	22	17	34
5	6.8	12	8.8	448	1,780	208	250	88	21	28	222	18
6	6.8	11	8.4	105	400	234	160	84	29	22	90	10
7	8.4	10	8.4	90	250	356	130	85	28	22	29	8.2
8	10	10	8.4	65	210	247	110	94	21	21	25	90
9	11	370	8.4	55	190	238	100	89	19	21	28	38
10	10	153	8.8	70	180	2,860	90	83	22	15	39	21
11	10	45	9.6	55	184	1,250	82	82	17	7.0	50	29
12	585	28	13	50	1,450	1,590	75	617	14	6.2	49	21
13	236	25	11	45	1,400	3,550	68	3,710	17	5.4	44	12
14	67	216	9.2	65	380	1.410	62	747	16	12	40	9.0
15	25	117	9.2	55	258	1,030	56	218	14	7.8	46	11
16	17	44	48	50	224	817	53	160	54	6.6	58	10
17	14	29	42	47	197	500	52	100	21	14	36	7.0
18	13	186	30	45	195	300	49	70	12	7.8	30	7.6
19	12	77	24	48	630	1.350	47	60	90	8.2	30	12
20	13	63	96	41	1,640	506	204	50	29	15	30	24
21	13	38	1.050	39	7,420	401	4,200	42	21	7.4	31	12
22	11	25	423	55	5,680	606	875	36	15	5.4	39	11
23	11	19	2,340	1,560	1,000	879	471	32	23	5.0	21	13
24	278	16	753	6,720	806	410	374	28	29	10	26	9.4
25	150	15	135	3,840	700	3,340	197	32	26	1.870	20	9.0
26	36	13	68	1.010	3,020	3,050	172	30	28	842	26	9.0
27	21	11	60	400	1,610	722	145	25	23	60	226	10
28	18	10	50	350	900	465	126	63	22	55	48	11
29	77	10	272	300	------	3,000	140	60	26	93	34	9.4
30	68	10	248	250	------	1,020	221	29	26	42	32	7.0
31	29	------	591	210	------	628	------	20	------	25	38	------
TOTAL	1,786.6	1,628	6,372.8	17,594	31,604	32,202	12,258	7,251	1,006	3,317.8	1,467	1,083.8
MEAN	57.6	54.3	206	568	1,129	1,039	409	234	33.5	107	47.3	36.1
MAX	585	370	2,340	6,720	7,420	3,550	4,200	3,710	257	1,870	226	504
MIN	6.8	10	8.4	39	160	208	47	20	12	5.0	17	7.0
CFSM	.23	.21	.81	2.24	4.44	4.09	1.61	.92	.13	.42	.19	.14
IN.	.26	.24	.93	2.58	4.63	4.72	1.80	1.06	.15	.49	.21	.16

CAL YR 1970 TOTAL 122,297.3 MEAN 335 MAX 10,800 MIN 4.7 CFSM 1.32 IN 17.91
WTR YR 1971 TOTAL 117,571.0 MEAN 322 MAX 7,420 MIN 5.0 CFSM 1.27 IN 17.22

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
1-24	1445	14.20	10,200	3-13	1315	6.83	5,590
2-21	1345	16.15	13,600	3-25	1930	9.55	9,280
2-26	1530	7.26	5,690	4-21	0800	8.54	7,760
3-10	1230	6.45	5,210	5-13	0415	6.60	5,360

07284500 Grenada Lake near Grenada, Miss.
(Formerly published as Grenada Reservoir near Grenada)

LOCATION.--Lat 33°48'31", long 89°46'14", in NE¼NE¼ sec.4, T.22 N., R.5 E., Choctaw meridian, Grenada County, at gatehouse of dam on Yalobusha River, 2.2 miles upstream from Batupan Creek, 3 miles northeast of Grenada, and 63.6 miles upstream from mouth of Yalobusha River.

DRAINAGE AREA.--1,320 sq mi, approximately.

PERIOD OF RECORD.--July 1953 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Dec. 19, 1953, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 160.00 ft above mean sea level.

EXTREMES.--Current year: Maximum contents, 803,900 acre-ft May 17 (elevation 221.27 ft); minimum 137,000 acre-ft Dec. 20 (elevation, 197.55 ft).

Period of record: Maximum contents, 1,189,800 acre-ft Apr. 15, 16, 1962 (elevation, 228.62 ft); minimum since initial filling of reservoir to conservation level, 66,900 acre-ft Dec. 4, 1962 (elevation, 190.95 ft).

REMARKS.--Reservoir is formed by a rolled-fill earth dam with concrete spillway and outlet tunnel. Storage began June 30, 1953. Capacity, 1,337,400 acre-ft at elevation 231.0 ft (crest of spillway), of which about 1,251,700 acre-ft is available for flood-control storage and about 85,700 acre-ft is permanent storage which will be maintained for incidental recreational purposes at elevation 193.0 ft (24 ft above sill of outlet gates). Water below 169.0 ft cannot be withdrawn through outlet tunnel. Figures given herein represent total contents. Reservoir used only for flood control.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

197	130.0	215	549.3
200	171.8	220	747.3
205	264.3	225	986.6
210	389.1		

CONTENTS, IN THOUSANDS OF ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	341.7	341.5	218.2	205.8	303.3	563.9	716.1	751.3	748.2	572.3	465.2	338.6
2	336.2	336.8	213.0	210.0	300.0	569.0	718.2	752.6	746.4	567.9	465.5	333.2
3	330.9	331.6	206.7	212.1	296.2	572.6	720.8	754.3	740.8	562.0	465.2	329.6
4	326.9	326.4	201.1	215.7	292.9	577.0	719.9	753.5	734.4	555.5	464.9	328.1
5	320.9	321.6	195.4	223.2	295.3	577.8	717.4	752.1	727.6	548.9	464.6	326.4
6	315.4	317.4	189.8	229.7	302.1	577.8	711.0	750.8	721.2	542.9	463.3	323.4
7	315.9	312.2	184.3	231.5	304.0	578.5	707.2	752.6	714.9	537.6	458.8	321.4
8	317.9	308.3	178.3	231.1	303.5	579.2	703.0	751.7	708.1	531.0	454.3	318.9
9	315.2	308.3	171.0	229.7	301.8	576.3	696.8	750.8	702.2	524.7	451.1	316.6
10	310.9	306.1	165.4	228.7	299.5	573.7	692.7	751.7	696.0	517.7	454.0	311.9
11	305.9	304.9	159.8	227.1	296.4	583.3	687.3	749.5	689.4	511.8	455.9	307.3
12	310.7	303.3	154.5	225.8	294.8	588.5	681.2	753.9	681.6	505.4	456.9	303.0
13	321.1	299.3	149.6	225.8	296.0	600.3	675.0	768.5	675.9	499.0	455.3	298.3
14	342.8	296.9	144.0	223.8	300.7	619.4	673.0	791.6	668.9	492.3	450.2	290.6
15	351.4	294.1	139.1	223.0	301.4	627.5	670.1	800.3	662.4	486.3	445.8	283.6
16	356.2	291.3	137.5	220.8	301.6	631.1	667.7	803.0	658.0	480.0	440	277.1
17	354.8	287.5	137.9	218.3	300.4	630.3	665.6	803.9	656.0	474.8	433.	271.4
18	351.9	283.9	137.9	216.9	298.3	627.5	664.0	803.5	649.6	469.7	426.3	264.5
19	349.3	280.5	137.3	214.3	295.7	624.0	661.6	802.1	646.5	464.6	419.3	257.9
20	345.6	275.8	137.0	211.9	298.8	629.5	660.4	801.7	639.8	459.8	413.1	251.7
21	340.9	272.0	142.0	209.7	312.4	631.1	681.6	798.9	633.4	455.0	405.8	245.9
22	336.0	267.6	149.1	207.7	377.7	629.9	724.2	794.8	627.1	448.6	398.3	238.6
23	334.2	262.8	160.8	211.0	462.3	646.5	735.7	790.2	621.7	443.3	393.7	231.9
24	338.6	256.9	176.6	222.8	486.7	657.2	740.0	786.2	614.4	440.3	389.1	225.6
25	343.8	251.1	187.2	264.3	495.3	660.0	743.8	783.5	608.3	439.0	383.2	218.5
26	347.5	245.1	190.6	296.2	504.7	680.4	745.6	776.9	601.8	450.8	376.6	212.1
27	349.6	239.8	191.5	306.6	528.5	697.2	745.1	770.2	595.0	456.9	371.1	205.1
28	350.4	234.8	191.5	308.5	553.3	700.1	746.0	767.1	592.3	457.5	365.1	198.3
29	351.4	229.5	192.8	309.5		704.7	746.4	761.4	585.5	462.3	358.3	191.5
30	349.1	223.8	196.1	307.3	------	714.9	751.3	757.0	579.2	463.6	351.4	184.3
31	345.4	------	201.1	305.9	------	717.8	------	752.6	------	465.5	344.6	------
MAX	356.2	341.5	218.2	309.5	553.3	717.8	751.3	803.9	748.2	572.3	465.5	338.6
MIN	305.9	223.8	137.0	205.8	292.9	563.9	660.4	749.5	579.2	439.0	344.6	184.3
(†)	208.29	202.80	201.95	206.75	215.32	219.28	220.09	220.06	215.68	212.52	208.21	200.48
(‡)	-8.1	-2,067	-254	+1,626	+4,622	+2,532	+583	-23	-2,954	-1,771	-2,025	-2,709

CAL YR 1970 .... ‡ -316
WTR Yr 1971 .... ‡ -226

† Elevation, in feet, at 2400 on last day of month.
‡ Change in contents, equivalent in cubic feet per second.

07285000 Yalobusha River at Grenada Dam, near Grenada, Miss.

LOCATION.--Lat 33°48'31", long 89°46'14", in NE¼NE¼ sec.4, T.22 N., R.5 E., Choctaw meridian, Grenada County, in gatehouse of Grenada Dam, 2.2 miles upstream from Batupan Creek, 3 miles northeast of Grenada, and 63.6 miles upstream from mouth.

DRAINAGE AREA.--1,320 sq mi, approximately.

PERIOD OF RECORD.--July 1953 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Dec. 19, 1953, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 160.00 ft above mean sea level.

AVERAGE DISCHARGE.--18 years, 1,749 cfs (17.99 inches per year), unadjusted.

EXTREMES.--Current year: Maximum daily discharge, 3,550 cfs Sept. 30; minimum daily, 5.0 cfs Oct. 7.
Period of record: Maximum discharge, 4,880 cfs Jan. 3, 1958; no flow at times prior to Jan. 1, 1959.

REMARKS.--Flow completely regulated by Grenada Lake, formerly Grenada Reservoir (see sta 07284500).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.600	2.710	2.930	1.460	2.370	296	3.090	647	1.900	2.960	284	3.240
2	2.660	2.660	3.060	1.490	2.340	296	3.100	647	2.710	2.960	284	2.510
3	2.620	2.620	3.080	1.510	2.300	296	3.100	647	3.110	2.950	284	1.440
4	2.570	2.580	3.020	1.550	2.270	867	3.100	647	3.110	2.940	284	1.100
5	2.530	2.530	2.950	1.630	2.310	1.210	3.090	647	3.100	2.940	794	1.090
6	850	2.490	2.880	1.680	2.370	1.210	3.090	647	3.100	2.930	1.940	1.090
7	5.0	2.450	2.940	1.690	2.380	1.210	3.080	647	3.090	2.930	2.300	1.090
8	810	2.410	3.260	1.690	2.370	2.200	3.080	647	3.090	2.920	2.300	1.090
9	2.470	2.580	3.330	1.680	2.350	2.960	3.080	647	3.080	2.910	2.300	1.820
10	2.440	2.740	3.000	1.660	2.330	2.970	3.070	647	3.080	2.910	1.190	2.160
11	2.400	2.730	2.930	1.660	2.310	2.970	3.070	647	3.070	2.900	283	2.160
12	577	2.820	2.870	1.650	2.290	2.980	3.260	648	3.060	2.700	609	2.150
13	265	3.010	3.010	1.640	2.310	2.990	2.720	651	3.060	2.660	1.790	3.040
14	268	3.210	3.050	1.620	2.350	3.010	1.240	654	3.050	2.600	2.300	3.430
15	268	3.190	2.260	1.610	2.360	3.020	1.240	656	3.040	2.590	2.650	3.360
16	857	3.160	724	1.590	2.360	3.020	1.240	656	3.040	2.590	3.220	3.300
17	1.570	3.120	727	1.570	2.340	3.020	1.240	657	3.040	2.580	3.450	3.320
18	1.670	3.080	723	1.550	2.320	3.020	1.240	656	3.030	2.580	3.390	3.410
19	1.930	3.050	715	1.520	2.310	3.010	913	656	3.030	2.580	3.340	3.340
20	2.740	3.010	723	1.500	2.340	3.020	629	1.070	3.040	2.570	3.290	3.290
21	2.700	2.970	780	1.480	1.010	3.020	636	1.540	3.020	2.380	3.340	3.330
22	1.920	2.920	866	1.460	275	3.020	642	1.920	3.010	2.290	3.510	3.420
23	265	3.060	1.000	1.510	284	3.030	644	1.920	3.010	2.290	3.470	3.360
24	267	3.090	1.160	1.650	287	3.040	644	1.920	3.000	2.290	3.440	3.360
25	268	3.030	1.260	2.080	288	3.050	645	2.610	3.000	1.180	3.380	3.400
26	268	2.960	1.290	2.330	289	3.070	645	3.140	2.990	282	3.330	3.320
27	268	2.900	1.300	2.420	292	3.080	645	3.140	2.980	283	3.280	3.390
28	268	2.850	1.300	2.430	295	3.080	646	2.710	2.980	283	3.300	3.390
29	1.080	2.960	1.320	2.430		3.080	646	1.910	2.970	460	3.420	3.440
30	2.770	2.980	1.350	2.420	------	3.090	647	1.900	2.970	284	3.360	3.550
31	2.740	------	1.400	2.400	------	3.100	------	1.900	------	284	3.290	------
TOTAL	45,015.0	85,870	61,208	54,560	49,700	77,235	54,112	38,031	89,760	68,006	73,402	81,390
MEAN	1,452	2,862	1,974	1,760	1,775	2,491	1,804	1,227	2,992	2,194	2,368	2,713
MAX	2,770	3,210	3,330	2,430	2,380	3,100	3,260	3,140	3,110	2,960	3,510	3,550
MIN	5.0	2,410	715	1,460	275	296	629	647	1,900	282	283	1,090
(†)	-8.1	-2,067	-254	+1,626	+4,622	+2,532	+583	-23	-2,954	-1,771	-2,025	-2,709

CAL YR 1970 TOTAL 781,605 MEAN 2,141 MAX 3,530 MIN 5.0 (†) -316
WTR YR 1971 TOTAL 778,289 MEAN 2,132 MAX 3,550 MIN 5.0 (†) -226

† Change in contents, equivalent in cubic feet per second, in Grenada Lake, formerly Grenada Reservoir (see sta 07284500).

07285900 Askalmore Creek at Retention Dam near Cascilla, Miss.

LOCATION.--Lat 33°55'01", long 89°59'48", in NE¼SE¼ sec.29, T.24 N., R.3 E., Choctaw meridian, Tallahatchie County, near outlet structure of retention dam on Askalmore Creek, 1.0 mile upstream from Powers Creek, 4.2 miles north of Cascilla, and 7.2 miles southeast of Charleston.

DRAINAGE AREA.--10.5 sq mi.

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 230.00 ft above mean sea level (levels by Soil Conservation Service).

AVERAGE DISCHARGE.--5 years, 15.1 cfs (19.53 inches per year).

EXTREMES.--Current year: Maximum discharge, 133 cfs Feb. 22 (gage height, 21.89 ft); minimum daily, 0.20 cfs July 16-22.
Period of record: Maximum discharge, 134 cfs Nov. 27-29, 1968; maximum gage height, 23.67 ft Nov. 28, 1968; minimum daily discharge 0.20 cfs July 16-22, 1971.

REMARKS.--Records good. Reservoir constructed by Soil Conservation Service for flood retention. Normal pool area, 95 acres with volume of 762 acre-feet. Flood pool area, 304 acres with volume of 2,775 acre-feet.

REVISIONS (WATER YEARS).--WRD Miss. 1970: 1969.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.8	1.9	14	3.2	127	34	4.0	2.9	1.1	4.0	1.5
2	1.5	1.6	1.9	6.7	2.7	124	63	3.5	3.2	1.1	4.0	1.5
3	1.5	1.7	1.9	6.5	2.5	54	20	3.1	2.3	1.1	2.7	1.5
4	1.1	1.5	1.9	75	28	13	12	2.8	1.9	.85	2.3	1.5
5	1.1	1.5	1.7	27	78	7.0	7.6	2.5	1.5	.65	2.1	1.1
6	1.1	1.5	1.7	11	19	5.9	5.9	2.2	1.3	1.1	9.8	1.1
7	1.9	1.5	1.7	5.9	9.2	5.9	4.9	2.1	1.3	2.7	20	1.1
8	2.2	1.5	1.7	5.4	7.6	6.0	4.4	3.0	1.5	2.1	6.5	.85
9	10	27	1.7	4.4	4.9	3.6	4.0	2.5	1.5	1.3	22	.65
10	5.0	14	1.9	4.0	4.0	60	3.6	10	1.3	1.1	125	.65
11	8.0	5.9	2.1	4.0	4.0	28	2.7	100	1.1	.85	100	.45
12	20	5.4	1.9	2.9	16	52	2.7	80	.85	.65	21	.45
13	125	4.9	2.7	2.7	19	109	2.5	125	.85	.45	7.0	.45
14	130	50	2.5	2.7	9.2	52	2.5	70	.65	.30	3.2	.45
15	125	16	2.9	2.7	7.0	19	2.3	40	.45	.30	2.7	.45
16	87	6.5	14	2.5	5.4	10	2.3	23	2.1	.20	2.1	.65
17	18	3.6	6.5	2.3	4.4	7.0	2.3	13	3.2	.20	1.9	.85
18	5.4	4.0	4.0	2.3	4.4	13	2.1	7.0	22	.20	1.7	.85
19	3.2	4.0	3.2	1.9	20	56	2.1	4.5	122	.20	1.7	1.1
20	7.6	6.5	20	1.5	33	19	3.2	2.4	37	.20	1.3	1.7
21	4.4	4.4	56	1.5	98	9.2	121	2.3	8.7	.20	1.3	1.7
22	2.7	2.9	34	4.0	133	63	122	1.9	3.2	.20	1.5	1.5
23	2.1	2.3	123	32	132	121	39	1.7	2.1	.45	10	1.3
24	63	2.1	44	122	131	37	11	1.5	1.7	3.2	6.5	1.3
25	24	1.9	12	128	130	72	5.4	2.1	1.3	58	8.1	1.3
26	7.0	1.9	6.5	126	131	121	3.6	2.1	.85	21	12	1.3
27	2.9	1.9	4.4	107	130	38	2.9	6.5	1.3	7.0	4.9	1.7
28	2.9	1.9	3.6	21	129	17	2.4	8.1	1.7	38	2.5	1.7
29	2.9	1.9	33	8.7	------	107	2.3	3.2	1.3	38	2.1	1.5
30	2.5	1.9	22	6.5	------	34	5.0	2.3	1.3	19	1.5	1.5
31	2.1	------	26	4.4	------	16	------	1.7	------	8.7	1.5	------
TOTAL	672.6	183.5	442.3	746.5	1,295.5	1,406.6	498.7	534.0	232.35	210.40	392.9	33.65
MEAN	21.7	6.12	14.3	24.1	46.3	45.4	16.6	17.2	7.75	6.79	12.7	1.12
MAX	130	50	123	128	133	127	122	125	122	58	125	1.7
MIN	1.1	1.5	1.7	1.5	2.5	3.6	2.1	1.5	.45	.20	1.3	.45
CFSM	2.07	.58	1.36	2.30	4.41	4.32	1.58	1.64	.74	.65	1.21	.11
IN.	2.38	.65	1.57	2.65	4.59	4.98	1.77	1.89	.82	.75	1.39	.12

CAL YR 1970 TOTAL 5,226.50 MEAN 14.3 MAX 132 MIN .25 CFSM 1.36 IN 18.52
WTR YR 1971 TOTAL 6,651.00 MEAN 18.2 MAX 133 MIN .20 CFSM 1.73 IN 23.56

07287000 Yazoo River at Greenwood, Miss.

LOCATION.--Lat 33°31'17", long 90°11'03", in NE¼SW¼ sec.10, T.19 N., R.1 E., Choctaw meridian, Leflore County, on left bank 110 ft downstream from bridge on U.S. Highways 49E and 82 (old) in Greenwood, 0.4 mile downstream from Palusha Bayou, 3 miles downstream from confluence of Tallahatchie and Yalobusha Rivers, and at mile 170.8.

DRAINAGE AREA.--7,450 sq mi, approximately.

PERIOD OF RECORD.--October 1907 to December 1912, April to June 1913, and October 1927 to current year in reports of Geological Survey. Monthly discharge only for some periods, published in WSP 1311. January 1909 to December 1927 (discharge measurements only), January 1928 to 1964, in reports of Mississippi River Commission, and since January 1947 in reports of Corps of Engineers. Gage-height records collected at same site since 1904 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder, and nonrecording gage read twice daily. Datum of gage is 92.07 ft above mean sea level. Prior to Oct. 1, 1940, nonrecording gages on highway bridges 110 ft upstream at various datums.

AVERAGE DISCHARGE.--49 years. (1907-12, 1927-71), 9,821 cfs (17.90 inches per year), unadjusted.

EXTREMES.--Current year: Maximum daily discharge, 20,300 cfs Feb. 28; maximum gage height, 29.86 ft Feb. 28; minimum daily discharge, 5,580 cfs Dec. 19; minimum gage height, 15.25 ft Dec. 20.

Period of record: Maximum discharge, 72,900 cfs Jan. 19, 1932 (gage height, 40.10 ft); minimum, 536 cfs Oct. 20, 1943; minimum gage height observed, 1.0 ft Oct. 17, 1908, present datum.

Maximum stage known, 41.2 ft in 1882, caused by overflow from Mississippi River (discharge not determined), from reports of Mississippi River Commission.

REMARKS.--Flow partly regulated since Aug. 26, 1939, by Sardis Lake on Tallahatchie River (see sta 07272000), Enid Lake on Yocona River (see sta 07274500), Arkabutla Lake on Coldwater River (see sta 07278000), and Grenada Lake on Yalobusha River (see sta 07284500).

COOPERATION.--Fifty-two discharge measurements and records of daily discharge furnished by Corps of Engineers; gage-height record obtained and records reviewed by Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9,480	9,280	11,200	10,200	15,700	20,000	17,500	11,000	7,420	9,510	10,300	9,080
2	9,470	9,290	11,100	10,300	15,100	19,800	17,600	10,100	6,900	9,450	9,820	9,050
3	9,490	9,160	11,100	10,100	14,400	19,300	17,400	8,770	7,220	9,340	9,480	8,930
4	9,490	9,000	11,100	11,200	13,400	18,900	17,100	7,650	7,730	9,130	9,070	8,830
5	9,580	9,050	11,100	12,300	12,600	18,500	16,800	6,830	8,360	8,990	8,700	8,740
6	9,680	8,920	11,000	11,700	12,500	18,100	16,200	6,320	8,870	8,810	8,610	8,680
7	9,100	8,910	11,000	11,500	12,300	18,000	15,700	6,070	8,850	8,760	8,920	8,600
8	8,110	8,910	10,800	10,700	11,900	17,100	15,200	5,960	9,430	8,810	9,310	8,500
9	8,320	10,400	10,800	9,790	11,300	16,500	14,500	5,930	10,300	9,000	9,820	8,420
10	8,960	11,400	10,900	8,970	10,900	16,400	13,700	6,340	10,500	9,030	10,900	8,350
11	9,630	11,300	10,900	8,680	10,500	16,300	12,700	7,030	10,800	8,850	11,200	8,300
12	11,500	11,000	10,700	7,960	10,200	16,300	11,600	9,010	10,900	8,640	10,600	8,160
13	14,500	10,800	10,300	7,520	10,400	17,500	10,800	14,200	10,100	8,470	9,580	8,100
14	16,100	11,400	9,560	7,280	11,200	18,200	9,940	15,700	10,000	8,260	8,400	8,220
15	15,300	12,000	8,900	7,200	11,500	18,300	8,870	15,900	9,970	8,010	7,950	8,370
16	14,200	12,400	8,290	7,370	11,800	18,000	8,090	15,400	10,000	7,680	7,680	8,270
17	13,100	12,100	7,140	7,320	11,700	17,800	7,570	15,200	10,400	7,480	7,670	8,200
18	12,000	11,900	6,140	7,100	11,400	17,600	7,170	13,300	10,600	7,330	7,640	8,030
19	11,100	11,900	5,580	6,940	10,800	17,900	6,930	11,600	10,900	7,310	7,700	7,970
20	10,700	11,800	5,840	6,720	11,400	17,700	6,780	10,000	11,300	7,330	7,810	7,990
21	10,600	12,000	9,260	6,550	13,800	17,400	8,850	8,930	11,000	7,300	7,930	8,070
22	10,500	12,000	10,100	6,420	17,900	17,200	12,200	8,530	9,890	7,230	7,980	8,100
23	10,300	11,800	11,200	7,670	19,200	17,000	13,700	8,220	9,330	6,800	8,110	8,090
24	10,100	11,700	12,000	10,400	19,500	17,000	13,500	7,840	9,270	6,690	8,290	8,030
25	11,100	11,700	11,500	13,700	19,500	16,900	12,900	7,700	9,450	8,880	8,380	7,990
26	10,600	11,500	11,000	15,200	20,200	17,400	12,100	7,700	9,550	10,800	8,280	7,980
27	10,000	11,600	10,100	15,800	20,100	17,500	11,000	8,000	9,590	10,700	8,170	7,980
28	9,240	11,600	8,850	16,100	20,300	17,300	9,180	8,130	9,680	9,800	8,220	7,960
29	8,700	11,500	8,780	16,200		17,500	8,340	8,120	9,560	9,950	8,570	8,130
30	8,700	11,500	9,200	16,200	------	17,700	10,700	7,750	9,630	10,400	8,840	8,140
31	9,260	------	9,560	16,000	------	17,600	------	7,420	------	10,600	8,900	------
TOTAL	329,010	327,820	305,000	320,990	391,600	548,700	364,620	290,650	287,600	269,340	272,830	249,260
MEAN	10,610	10,930	9,839	10,350	13,990	17,700	12,150	9,376	9,587	8,688	8,801	8,309
MAX	16,100	12,400	12,000	16,200	20,300	20,000	17,600	15,900	11,300	10,800	11,200	9,080
MIN	8,110	8,910	5,580	6,420	10,200	16,300	6,780	5,930	6,900	6,690	7,640	7,960

CAL YR 1970 TOTAL 4,767,280 MEAN 13,060 MAX 22,600 MIN 5,580 (†) -837
WTR YR 1971 TOTAL 3,957,420 MEAN 10,840 MAX 20,300 MIN 5,580 (†) -661

† Change in contents, equivalent in cubic feet per second, in Sardis, Enid, Arkabutla, and Grenada Lakes, formerly reservoirs (see stas 07272000, 07274500, 07278000, and 07284500).

07288500 Sunflower River at Sunflower, Miss.

LOCATION.--Lat 33°32'50", long 90°32'35", in NE¼ sec.6, T.19 N., R.3 W., Choctaw meridian, Sunflower County, near right bank on downstream side of highway bridge, 0.5 mile northwest of Sunflower, 2.5 miles downstream from Jones Bayou, and 19 miles upstream from Quiver River.

DRAINAGE AREA.--767 sq mi.

PERIOD OF RECORD.--October 1935 to current year in reports of Geological Survey. Prior to October 1938 monthly discharge only, published in WSP 1311. February 1918 to September 1935 (gage heights only) in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 92.95 ft above mean sea level (levels by Corps of Engineers). Prior to Nov. 28, 1934, nonrecording gage on upstream side of bridge at datum 93.00 ft lower. Nov. 28, 1934, to June 30, 1947, nonrecording gage on upstream side of bridge at present datum.

AVERAGE DISCHARGE.--36 years, 973 cfs (17.23 inches per year).

EXTREMES.--Current year: Maximum daily discharge, 7,070 cfs Feb. 24; maximum gage height, 21.38 ft Feb. 24; minimum daily discharge, 107 cfs Oct. 5-7; minimum gage height, 1.17 ft Oct. 7.

Period of record: Maximum discharge, 11,700 cfs Apr. 28, 1964; maximum gage height, 28.31 ft May 5, 1958; minimum discharge 81 cfs Aug. 16, 1954, Aug. 9, 10, 1956; minimum gage height, 0.78 ft Oct. 15, 1967.

REMARKS.--Diversion for irrigation of about 5,000 acres and withdrawal of an average of about 6 cfs for industrial use above station. At times streamflow is augmented by waste irrigation water which is pumped from wells.

COOPERATION.--Twenty-six discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS.--WSP 1211: Drainage area. WRD Miss. 1970: 1969(m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	129	279	147	952	2.320	4.610	1.460	474	309	634	2.820	236
2	122	242	144	792	1.750	3.600	1.280	426	288	792	2.610	224
3	115	209	141	652	1.330	2.710	1.220	330	260	814	2.500	218
4	114	187	139	952	976	2.000	1.070	260	254	690	2.790	212
5	107	181	139	1.220	928	1.540	836	224	242	526	2.970	206
6	107	167	135	1.100	1.170	1.150	634	195	248	386	2.860	190
7	107	161	133	904	1.280	880	508	190	274	288	2.790	175
8	108	159	133	750	1.170	690	410	180	526	230	2.890	165
9	122	291	133	598	952	562	362	180	858	195	3.040	160
10	133	536	133	474	750	580	323	338	1.020	170	3.240	150
11	152	544	133	386	598	544	302	490	1.020	155	3.290	142
12	219	458	141	316	544	598	288	730	858	142	2.930	138
13	465	390	142	274	690	1.330	274	3.010	670	134	2.390	134
14	936	574	138	248	1.020	2.360	254	5.210	490	138	1.810	130
15	1.310	787	136	236	1.300	2.750	236	5.880	354	150	1.300	126
16	1.470	804	166	212	1.350	2.610	224	5.630	274	150	880	130
17	1.420	713	194	230	1.200	2.190	212	4.960	230	146	634	134
18	1.220	580	195	295	976	1.780	206	4.060	224	142	474	134
19	965	460	187	302	792	1.510	200	3.120	338	134	378	138
20	802	387	289	260	1.120	1.280	195	2.290	267	138	323	155
21	627	362	870	224	2.060	1.100	212	1.700	267	126	309	160
22	491	359	1.330	195	4.810	1.000	750	1.250	267	118	288	150
23	404	327	1.930	426	6.650	928	1.750	880	248	118	281	142
24	489	263	2.020	1.000	7.070	1.150	1.750	652	224	126	338	134
25	872	218	1.740	3.420	6.860	1.410	1.410	526	200	634	426	130
26	918	191	1.340	5.410	6.580	1.430	976	442	190	1.890	410	130
27	786	174	956	5.880	6.300	1.460	652	386	180	2.360	362	126
28	636	166	677	5.570	5.510	1.510	474	354	185	2.390	316	122
29	537	158	599	4.910		1.460	346	362	267	2.570	295	122
30	439	150	827	4.010	------	1.480	426	362	474	2.570	274	122
31	345	------	1.000	3.080	------	1.590	------	338	------	2.820	248	------
TOTAL	16.667	10.477	16.387	45.278	68.056	49.792	19.240	45.429	11.506	21.876	46.466	4.635
MEAN	538	349	529	1,461	2,431	1,606	641	1,465	384	706	1,499	154
MAX	1,470	804	2,020	5,880	7,070	4,610	1,750	5,880	1,020	2,820	3,290	236
MIN	107	150	133	195	544	544	195	180	180	118	248	122
CFSM	.70	.46	.69	1.90	3.17	2.09	.84	1.91	.50	.92	1.95	.20
IN.	.81	.51	.79	2.20	3.30	2.41	.93	2.20	.56	1.06	2.25	.22

CAL YR 1970 TOTAL 462,950 MEAN 1,268 MAX 8,630 MIN 107 CFSM 1.65 IN 22.45
WTR YR 1971 TOTAL 355,809 MEAN 975 MAX 7,070 MIN 107 CFSM 1.27 IN 17.26

07289000 Mississippi River at Vicksburg, Miss.

LOCATION.--Lat 32°18'45", long 90°54'25", in T.16 N., R.3 E., Washington meridian, Warren County, over cavity of fourth pier from left bank at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg, 1.5 miles downstream from Yazoo diversion canal and at mile 430.4.

DRAINAGE AREA.--1,144,500 sq mi, approximately.

PERIOD OF RECORD.--Discharge: January 1928 to current year. Prior to July 1931, monthly discharge only, published in WSP 1311. Gage heights: April 1930 to current year in reports of Geological Survey. Since December 1871, referred to canal gages (above 30.0 ft only, since December 1949), September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage; and since 1967, referred to gage 1.1 miles upstream in reports of Corps of Engineers. Since May 1873, in reports of U.S. Weather Bureau.

Extremes of stage, intermittently 1828 to 1871, and since 1871; extremes of discharge for various years 1858 to 1926 and since 1926; annual mean discharges since 1871; and records of daily discharge 1928 to 1964 are available in reports of Mississippi River Commission. Since January 1947 daily discharge in reports of Corps of Engineers. Prior to October 1968, published as Mississippi River near Vicksburg.

GAGE.--Water-stage recorder (bridge gage) maintained by Geological Survey. Jan. 1, 1963, to Dec. 31, 1967, supplementary water-stage recorder on left bank near downstream side of bridge, and since Jan. 1, 1968, on left bank at site 1.1 miles upstream, maintained by Corps of Engineers. Datum of gage is 46.22 ft above mean sea level (Corps of Engineers bench mark) or 46.16 ft above mean gulf level. Gages used by Mississippi River Commission: Dec. 10, 1871, to Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 miles upstream from bridge gage; since October 1929, nonrecording gage on Yazoo diversion canal, 1,600 ft upstream from mouth. Gages used by U.S. Weather Bureau: May 18, 1873, to Oct. 29, 1919, nonrecording gage 0.5 mile upstream from bridge gage; Oct. 30, 1919, to Nov. 30, 1922, nonrecording gage at mouth of Yazoo Canal; Dec. 1, 1922, to Aug. 31, 1934, nonrecording gage on Yazoo diversion canal; Sept. 1, 1934, to Dec. 31, 1962, nonrecording gage at bridge; Jan. 1, 1963 to Dec. 31, 1967, water-stage recorder on left bank near downstream side of bridge, and since Jan. 1, 1968, on left bank at site 1.1 miles upstream.

All gages at same datum, but readings differ due to slope of water surface between them.

AVERAGE DISCHARGE.--43 years, 552,700 cfs (400,400,000 acre-ft per year).

EXTREMES.--Current year: Maximum daily discharge, 1,317,000 cfs Mar. 14; maximum gage height, 37.24 ft Mar. 14, at bridge gage, 39.04 ft at supplementary recorder; minimum daily discharge, 249,000 cfs Aug. 26, minimum gage height, 5.80 ft Sept. 19 at supplementary recorder.

Period of record: Maximum discharge, 2,080,000 cfs Feb. 17, 1937; maximum gage height, 53.2 ft Feb. 21, 1937; minimum discharge, 99,400 cfs Nov. 1, 1939; minimum gage height, -7.02 ft Feb. 3, 1940 (ice jam above).

Maximum stage known since at least 1871, 58.4 ft (Corps of Engineers gage on Yazoo diversion canal), approximately 56.0 ft May 4, 1927 (Geological Survey gage).

REMARKS.--Records excellent. Natural flow of stream affected by many reservoirs and navigation dams.

COOPERATION.--Gage-height record, one hundred and two discharge measurements, and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS.--WSP 747: Drainage area.

GAGE HEIGHT, IN FEET, 0800, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.7	17.4	17.9	24.7	18.5	32.9	28.9	15.0	22.3	14.2	13.5	8.0
2	18.5	17.0	17.9	25.1	18.0	34.0	28.2	15.2	21.0	13.8	12.8	8.3
3	20.0	16.6	17.6	25.3	17.7	35.0	27.5	15.5	19.8	13.6	12.2	8.7
4	21.2	16.4	16.9	25.5	17.6	35.8	26.8	15.7	18.6	13.3	11.7	8.9
5	22.1	16.6	16.1	25.5	17.6	36.4	26.2	15.7	17.8	13.0	11.5	8.5
6	22.5	17.1	15.1	25.6	17.7	37.0	25.4	15.8	17.1	12.7	11.8	7.8
7	22.2	17.7	13.8	25.4	17.7	37.4	24.6	15.9	16.8	12.0	12.2	6.8
8	21.2	18.2	12.6	24.8	17.5	37.8	23.8	16.0	16.7	11.5	12.7	6.1
9	19.8	18.4	11.6	24.0	16.7	38.0	23.2	16.0	16.7	11.0	13.2	5.8
10	18.2	18.4	11.1	23.2	15.9	38.3	22.7	16.1	16.7	10.5	13.8	6.1
11	16.7	18.5	10.8	22.4	15.5	38.5	22.2	16.2	16.6	9.8	13.9	6.3
12	15.8	19.0	10.9	22.2	16.0	38.8	21.8	16.4	16.4	9.4	14.0	6.4
13	15.2	19.4	11.0	22.3	17.5	38.9	21.5	17.6	16.4	8.8	14.3	6.7
14	14.3	19.7	11.2	22.5	19.8	39.0	21.1	18.7	16.4	8.3	14.6	6.9
15	13.8	19.7	11.2	22.8	22.2	38.8	20.6	20.0	16.5	7.8	14.8	6.6
16	13.4	19.5	11.4	23.1	24.3	38.6	20.2	21.3	16.4	7.9	14.7	6.3
17	13.3	19.5	11.4	23.4	25.6	38.4	19.7	22.8	16.2	8.2	14.1	6.1
18	13.7	19.8	11.4	23.8	26.4	38.0	19.1	24.2	15.7	9.0	13.0	5.9
19	15.0	19.9	11.6	24.0	26.8	37.8	18.6	25.5	15.4	10.0	11.8	5.8
20	16.8	19.6	12.0	23.8	27.1	37.4	18.2	26.8	15.4	10.8	10.7	6.0
21	18.0	18.9	12.8	23.2	27.3	36.7	17.9	27.8	15.9	11.4	9.7	6.0
22	18.6	18.4	13.8	22.6	27.6	36.2	17.6	28.4	16.6	12.1	9.0	6.6
23	18.5	18.0	15.1	22.1	27.8	35.5	17.5	28.8	17.2	12.7	8.2	7.7
24	18.1	17.8	16.1	21.8	28.0	34.9	17.1	28.9	17.6	12.8	7.5	8.7
25	17.3	17.6	17.2	21.7	28.5	34.4	16.8	28.8	18.0	12.8	6.8	9.4
26	16.3	17.4	18.3	21.4	29.4	33.9	16.6	28.5	17.9	13.1	6.5	9.7
27	15.6	17.3	19.6	20.8	30.7	33.2	16.3	28.0	17.5	13.6	6.7	9.8
28	15.4	17.2	20.9	20.4	31.8	32.5	15.8	27.2	16.8	14.0	7.3	9.6
29	15.7	17.3	22.2	19.9		31.7	15.2	26.2	16.0	14.4	7.9	9.4
30	16.3	17.7	23.1	19.5	------	30.8	15.1	25.0	14.9	14.4	8.4	9.2
31	17.2	------	24.0	19.1	------	29.7	------	23.6	------	14.2	8.2	------

NOTE.--Gage heights based on records of supplementary recorder.

07289000 Mississippi River at Vicksburg, Miss.--Continued

DISCHARGE, IN THOUSANDS OF CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	502	491	530	740	555	1.049	805	441	584	413	391	280
2	541	488	527	747	548	1.081	779	445	558	397	382	292
3	575	480	512	750	540	1.123	761	453	530	388	370	309
4	608	473	496	755	539	1.161	740	458	503	383	358	310
5	626	479	469	758	540	1.209	720	461	487	381	355	299
6	624	503	443	759	540	1.220	700	465	476	379	369	281
7	598	518	416	738	538	1.230	685	467	469	370	379	262
8	569	528	392	700	522	1.240	669	464	470	352	390	252
9	541	537	381	683	499	1.259	656	461	474	342	401	251
10	487	540	372	671	488	1.283	642	459	475	329	409	261
11	469	542	369	665	480	1.301	633	460	475	318	409	268
12	455	549	366	653	503	1.311	625	470	464	305	410	271
13	430	561	366	657	530	1.315	618	495	452	292	414	274
14	411	566	366	664	565	1.317	604	524	457	282	445	277
15	397	568	370	677	650	1.269	591	561	461	278	463	271
16	394	568	377	690	755	1.235	582	600	455	292	452	267
17	393	570	388	706	778	1.199	569	635	445	308	420	260
18	407	572	390	722	795	1.161	551	670	432	321	389	252
19	466	573	398	721	811	1.125	527	701	429	339	360	251
20	495	561	408	711	818	1.102	520	735	438	356	335	256
21	521	538	422	688	821	1.074	519	766	452	372	313	258
22	538	526	447	662	824	1.045	520	783	468	386	299	273
23	542	521	482	644	827	1.029	525	793	480	394	287	295
24	531	514	520	638	829	1.009	521	790	490	392	266	319
25	503	511	553	637	844	990	507	778	498	388	251	333
26	477	510	586	638	917	971	489	760	492	386	249	340
27	454	512	610	624	955	942	479	741	483	392	265	339
28	454	512	634	598	1.000	919	469	716	468	399	279	330
29	460	518	668	580		893	451	683	450	401	291	321
30	485	531	700	568	------	861	443	650	431	401	296	312
31	493	------	732	559	------	834	------	618		398	283	------
TOTAL	15,446	15,860	14,690	21,003	19,011	34,757	17,900	18,503	14,246	11,135	10,980	8,564
MEAN	498	529	474	678	679	1,121	597	597	475	359	354	285
MAX	626	573	732	759	1,000	1,317	805	793	584	413	463	340
MIN	393	473	366	559	480	834	443	441	429	278	249	251
AC-FT	30,640	31,460	29,140	41,660	37,710	68,940	35,500	36,700	28,260	22,090	21,780	16,990

CAL YR 1970 TOTAL 216,624 MEAN 593.5 MAX 1304 MIN 222 AC-FT 429,700
WTR YR 1971 TOTAL 202,095 MEAN 553.7 MAX 1317 MIN 249 AC-FT 400,900

NOTE.--Discharge computed from records of supplementary recorder.

07289500 Big Black River at Pickens, Miss.

LOCATION.--Lat 32°52'50", long 89°57'58", in SW¼SW¼ sec.14, T.12 N., R.3 E., Choctaw meridian, Holmes County, 20 ft upstream from old county highway bridge, 0.5 mile southeast of Pickens, 6 miles downstream from Seneasha Creek, 6 miles upstream from Cypress Creek, and at mile 160.3.

DRAINAGE AREA.--1,460 sq mi, approximately.

PERIOD OF RECORD.--August 1936 to September 1971 (discontinued). Monthly discharge only for some periods, published in WSP 1311.

GAGE.--Nonrecording gage read twice daily. Datum of gage is 196.26 ft above mean sea level (U.S. Department of Agriculture bench mark, levels by Corps of Engineers). Prior to Aug. 20, 1939, nonrecording gage; and Aug. 20, 1939, to Mar. 8, 1961, water-stage recorder at present site and datum.

AVERAGE DISCHARGE.--35 years, 1815 cfs (16.88 inches per year).

EXTREMES.--Current year: Maximum discharge, 21,400 cfs Mar. 1 (gage height, 19.27 ft); minimum, 56 cfs Oct. 6 (gage height, 1.56 ft).

Period of record: Maximum discharge, 49,400 cfs Mar. 28, 1951 (gage height, 22.20 ft); minimum, 27 cfs Aug. 31, Sept. 1, 1943; minimum gage height, 1.30 ft Aug. 26, 1966.

Maximum stage known, 23.7 ft Dec. 29, 1926; flood in May 1930 reached a stage of about 23.5 ft, and flood in 1892 reached about the same stage as the floods of 1926 and 1930, from information by local residents.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	2,900	413	2,530	1,990	20,300	4,600	4,670	400	426	3,550	670
2	65	2,370	400	2,220	1,180	15,900	5,590	4,660	374	415	2,720	676
3	65	2,000	376	1,920	868	16,600	5,180	4,760	338	449	1,650	670
4	65	1,810	362	2,130	1,410	15,300	4,930	5,100	340	340	1,340	441
5	61	1,280	342	2,720	2,570	12,700	5,230	6,420	310	290	1,210	420
6	59	829	340	2,690	3,100	9,700	5,330	6,760	310	253	1,220	444
7	66	676	308	2,400	2,500	7,980	4,810	6,580	286	218	1,310	353
8	78	559	302	2,290	2,060	7,380	4,330	5,770	278	189	1,480	278
9	129	520	300	2,360	1,940	6,710	3,740	3,360	308	176	1,540	244
10	132	787	302	2,570	2,090	6,190	1,920	5,310	376	195	2,250	226
11	117	1,000	290	2,740	2,240	5,370	1,420	7,600	449	179	2,410	208
12	1,620	1,090	308	2,390	2,270	4,020	1,150	8,010	479	181	1,390	200
13	4,750	964	318	1,700	2,830	4,270	1,040	8,400	410	173	1,020	186
14	6,020	1,220	351	1,370	2,500	6,040	934	8,220	381	290	784	173
15	5,600	1,490	396	1,230	2,110	6,020	874	10,800	360	856	583	165
16	5,030	1,580	403	1,460	2,320	5,200	784	12,100	336	925	490	178
17	5,290	1,420	556	1,520	2,300	4,820	724	13,300	595	904	616	640
18	5,880	1,300	793	1,480	2,240	4,690	682	11,100	5,010	1,040	476	865
19	6,180	1,000	868	1,250	2,210	5,730	652	8,400	6,110	628	391	556
20	6,320	925	874	1,050	3,510	6,090	610	7,110	3,010	532	336	436
21	6,170	1,080	1,160	871	5,840	5,400	796	6,240	1,230	482	353	353
22	5,480	1,050	1,540	706	7,080	4,420	3,270	4,040	652	619	310	290
23	3,590	1,050	1,770	856	7,600	3,650	3,680	1,970	415	436	286	262
24	2,350	934	1,700	1,680	10,900	3,490	3,570	1,160	318	1,210	310	286
25	3,030	718	1,460	2,230	16,600	3,220	3,530	922	304	3,580	290	205
26	2,740	592	1,190	2,630	18,000	3,240	3,680	739	286	8,100	465	192
27	2,330	511	946	2,780	19,000	3,180	3,650	634	274	9,300	420	179
28	2,110	459	754	2,760	19,600	3,150	3,320	577	300	8,190	316	181
29	2,670	493	916	2,900	------	3,140	2,060	556	367	7,070	255	178
30	3,710	431	1,390	3,010	------	4,020	2,990	490	393	6,280	224	170
31	3,450	------	2,460	2,960	------	4,140	------	493	------	4,910	269	------
TOTAL	85,229	33,038	23,888	63,403	148,858	212,060	85,076	166,251	24,999	58,836	30,264	10,325
MEAN	2,749	1,101	771	2,045	5,316	6,841	2,836	5,363	833	1,898	976	344
MAX	6,320	2,900	2,460	3,010	19,600	20,300	5,590	13,300	6,110	9,300	3,550	865
MIN	59	431	290	706	868	3,140	610	490	274	173	224	165
CFSM	1.88	.75	.53	1.40	3.64	4.69	1.94	3.67	.57	1.30	.67	.24
IN.	2.17	.84	.61	1.62	3.79	5.40	2.17	4.24	.64	1.50	.77	.26

CAL YR 1970 TOTAL 787,629 MEAN 2,158 MAX 22,300 MIN 59 CFSM 1.48 IN 20.07
WTR YR 1971 TOTAL 942,227 MEAN 2,581 MAX 20,300 MIN 59 CFSM 1.77 IN 24.01

07290000 Big Black River near Bovina, Miss.

LOCATION.--*Lat 32°20'51", long 90°41'48", in* NW¼SE¼ sec.22, T.16 N., R.5 E., Washington meridian, Hinds County, on left bank at downstream side of bridge on U.S. Highway 80 (old), 300 ft upstream from Clear Creek, 0.4 mile upstream from Illinois Central Railroad bridge, 2 miles east of Bovina, 12 miles upstream from Fourteenmile Creek, and at mile 61.7. Records include flow of Clear Creek.

DRAINAGE AREA.--2,810 sq mi, approximately, includes that of Clear Creek.

PERIOD OF RECORD.--February 1936 to current year. Prior to October 1938 monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder and supplemental nonrecording gage read twice daily. Datum of gage is 84.93 ft above mean sea level, or 85.00 ft above mean Gulf level (levels by Corps of Engineers). Prior to Oct. 23, 1941, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--35 years, 3,346 cfs (16.17 inches per year).

EXTREMES.--Current year: Maximum discharge, 27,900 cfs Mar. 4 (gage height, 38.23 ft); minimum, 147 cfs Oct. 8 (gage height, 6.54 ft).

Period of record: Maximum discharge, 63,500 cfs Dec. 20, 1961 (gage height, 40.53 ft); minimum, 65 cfs Oct. 2, 1954 (gage height, 5.98 ft).

From information by local residents, floods at Askews Bridge, 6 miles upstream, reached elevations above mean sea level as follows: Dec. 20, 1961, 139.2 ft; in 1912 and in January 1927, 139 ft; Apr. 1, 1951, 138.5 ft.

A flood in May 1930, reached about the same elevation as that of Apr. 1, 1951, at Askews Bridge.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WRD Miss. 1968: 1966-67.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185	4,890	790	5,660	3,740	13,100	8,590	5,870	1,150	1,150	8,170	474
2	181	4,900	748	5,740	3,770	19,200	7,920	6,010	979	1,010	9,150	443
3	176	4,910	714	5,690	3,700	25,800	7,140	5,750	883	904	10,300	774
4	167	4,610	687	5,280	3,010	27,600	6,510	5,520	800	765	11,000	1,720
5	158	3,730	653	4,550	3,460	27,400	6,180	5,510	730	691	11,400	1,320
6	153	2,820	627	3,920	4,760	26,400	6,050	5,560	682	652	11,100	1,030
7	151	2,200	596	3,560	5,280	25,100	6,060	5,890	549	589	10,200	807
8	151	1,590	571	3,970	5,550	24,000	6,090	6,490	615	508	8,140	698
9	158	1,240	550	3,850	5,300	22,500	6,050	6,990	605	460	5,790	643
10	160	1,310	532	3,580	4,650	20,400	5,950	8,050	611	434	5,070	565
11	172	1,430	521	3,560	3,660	18,100	5,830	9,260	674	408	4,590	494
12	5,460	1,320	525	3,840	4,630	15,900	5,630	10,600	637	389	4,070	441
13	9,100	1,330	508	4,040	6,660	15,300	4,680	12,700	640	377	3,820	404
14	8,960	2,420	487	4,060	6,670	15,100	2,640	14,900	691	369	3,140	377
15	8,470	2,950	501	3,810	6,420	14,400	1,750	20,700	702	366	2,170	358
16	8,200	3,140	615	3,040	6,090	14,100	1,500	24,200	764	373	1,600	365
17	8,130	3,010	636	2,500	5,570	13,700	1,340	24,100	1,150	2,850	1,210	499
18	8,080	2,670	663	2,450	4,680	12,900	1,220	22,500	543	3,450	987	1,090
19	8,380	2,320	719	2,410	3,860	12,400	1,130	20,000	487	3,240	881	1,610
20	8,650	2,150	926	2,120	3,790	11,900	1,040	18,300	2,080	3,790	805	2,090
21	8,530	2,310	1,240	1,810	5,210	11,300	2,200	16,300	3,600	2,840	735	1,860
22	8,390	2,310	1,570	1,550	8,930	10,700	5,560	14,800	4,270	1,620	811	1,110
23	8,180	2,190	2,090	1,380	8,940	10,100	7,250	13,800	4,590	1,120	1,150	751
24	9,080	1,910	2,220	1,380	8,820	9,480	7,330	12,900	3,870	1,520	801	622
25	8,570	1,680	2,320	1,870	8,940	9,760	6,980	12,000	2,030	1,890	927	524
26	8,310	1,510	2,370	2,770	10,200	10,800	6,530	11,000	1,230	3,780	707	461
27	8,100	1,290	2,260	3,370	11,000	10,400	5,870	9,740	1,100	5,400	632	423
28	7,860	1,090	1,980	3,660	11,400	10,000	5,280	6,360	907	6,480	565	416
29	7,300	950	2,500	3,840	------	10,000	4,750	3,120	1,240	7,000	621	400
30	6,040	854	2,750	3,840	------	9,840	5,210	1,940	1,260	7,130	640	356
31	5,100	------	4,780	3,760	------	9,240	------	1,450	------	7,500	544	------
TOTAL	160,702	71,034	38,639	107,180	168,690	486,920	150,260	342,710	40,169	69,055	121,746	23,125
MEAN	5,184	2,368	1,246	3,457	6,025	15,710	5,009	11,060	1,339	2,228	3,927	771
MAX	9,100	4,910	4,780	5,740	11,400	27,600	8,590	24,200	4,590	7,500	11,400	2,090
MIN	151	854	487	1,380	3,010	9,240	1,040	1,450	487	366	544	356
CFSM	1.84	.84	.44	1.23	2.14	5.59	1.78	3.94	.48	.79	1.40	.27
IN.	2.13	.94	.51	1.42	2.23	6.45	1.99	4.54	.53	.91	1.61	.31

CAL YR 1970 TOTAL 1,271,226 MEAN 3,483 MAX 20,700 MIN 151 CFSM 1.24 IN 16.83
WTR YR 1971 TOTAL 1,780,230 MEAN 4,877 MAX 27,600 MIN 151 CFSM 1.74 IN 23.57

07290650 Bayou Pierre near Willows, Miss.

LOCATION.--Lat 32°00'55", long 90°53'00", in lot 16, T.12 N., R.3 E., Washington meridian, Claiborne County, near right bank at downstream side of bridge on county highway, 1.4 miles upstream from South Fork Bayou Pierre, and 1.7 miles southeast of Willows.

DRAINAGE AREA.--653 sq mi.

PERIOD OF RECORD.--Annual maximums, water years 1959-61. June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 82.34 ft above mean sea level. Sept. 9, 1958, to May 31, 1961, crest-stage gage at same site and datum.

AVERAGE DISCHARGE.--10 years (1961-71), 668 cfs (13.89 inches per year).

EXTREMES.--Current year: Maximum discharge, 17,200 cfs May 12 (gage height, 20.54 ft); minimum, 21 cfs, Oct. 6 (gage height, 2.25 ft).
Period of record: Maximum discharge, 31,300 cfs Oct. 5, 1964 (gage height, 27.42 ft); minimum, 19 cfs Oct. 6, 1969; minimum gage height, 2.25 ft Oct. 6, 1970.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	196	91	1,640	180	1,100	598	286	134	315	115	118
2	31	144	93	720	161	2,350	4,540	197	131	317	362	180
3	28	118	89	428	152	12,200	2,190	170	127	229	1,010	258
4	26	101	87	356	292	4,120	957	152	121	123	1,230	207
5	23	91	83	326	2,750	2,470	662	144	118	98	1,200	194
6	22	84	80	259	1,220	1,240	508	138	116	182	736	200
7	22	79	76	218	553	1,380	433	5,880	259	172	323	156
8	23	76	75	214	421	695	383	1,950	626	102	209	122
9	40	97	76	246	550	625	342	755	209	88	394	75
10	93	96	75	390	366	1,150	312	2,540	161	79	448	67
11	78	80	80	372	275	1,070	287	1,700	109	71	313	62
12	3,750	79	104	308	4,380	1,230	262	13,400	100	68	231	61
13	5,640	125	98	253	3,500	3,500	246	4,350	107	66	146	57
14	1,980	2,280	87	358	1,570	1,700	228	2,990	93	65	116	58
15	580	1,330	119	2,330	740	460	216	1,380	88	64	105	55
16	224	625	576	845	512	556	206	727	103	63	101	256
17	147	292	402	434	402	408	194	537	557	1,070	93	2,610
18	115	220	237	313	336	431	217	430	838	226	86	1,050
19	2,980	192	163	250	300	4,850	300	358	427	92	89	465
20	1,660	431	148	206	656	2,050	190	352	194	71	87	214
21	950	350	142	182	3,590	1,510	1,240	438	274	84	65	145
22	290	180	131	177	3,540	710	1,390	325	176	61	63	120
23	173	144	128	212	1,700	531	1,930	268	182	58	258	101
24	140	121	750	321	916	421	549	228	146	70	136	87
25	118	110	315	2,660	542	1,140	320	249	115	253	98	[illegible]
26	101	104	177	1,060	7,890	5,820	240	236	91	182	71	73
27	98	101	139	446	8,080	1,640	210	201	387	455	67	88
28	130	98	124	290	2,270	891	191	189	225	2,110	64	66
29	1,680	96	1,320	234	------	1,290	185	170	152	948	62	70
30	1,100	93	2,860	216	------	1,330	398	154	198	278	61	63
31	306	------	6,100	202	------	784	------	145	------	148	182	------
TOTAL	22,643	8,129	14,984	16,507	47,880	60,228	19,910	46,089	6,555	8,732	8,501	7,359
MEAN	730	271	483	532	1,710	1,943	664	1,487	219	282	274	245
MAX	5,640	2,280	6,100	2,660	8,080	12,200	4,540	13,400	838	2,110	1,230	2,610
MIN	22	76	75	177	152	408	185	138	88	58	61	55
CFSM	1.12	.42	.74	.81	2.62	2.98	1.02	2.28	.34	.43	.42	.38
IN.	1.29	.46	.85	.94	2.73	3.43	1.13	2.63	.37	.50	.48	.42

CAL YR 1970 TOTAL 165,733 MEAN 454 MAX 8,050 MIN 22 CFSM .70 IN 9.44
WTR YR 1971 TOTAL 267,511 MEAN 733 MAX 13,400 MIN 22 CFSM 1.12 IN 15.24

PEAK DISCHARGE (BASE, 15,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-27	0015	20.49	17,100	5-12	1545	20.54	17,200
3- 3	0745	20.14	16,600				

07291000 Homochitto River at Eddiceton, Miss.

LOCATION.--Lat 31°30'10", long 90°46'35", in SE¼NE¼ sec.11, T.6 N., R.4 E., Washington meridian, Franklin County, on left bank at upstream side of Mississippi Central Railroad bridge, 900 ft downstream from bridge on U.S. Highway 84, 0.4 mile upstream from McCall Creek, and 0.8 mile east of Eddiceton.

DRAINAGE AREA.--180 sq mi, approximately.

PERIOD OF RECORD.--October 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 217.22 ft above mean sea level. Prior to May 26, 1942, nonrecording gage at site 900 ft upstream at present datum.

AVERAGE DISCHARGE.--33 years, 241 cfs (18.18 inches per year).

EXTREMES.--Current year: Maximum discharge, 7,980 cfs Mar. 2 (gage height, 8.10 ft); minimum daily, 37 cfs Oct. 5.

Period of record: Maximum discharge, 30,900 cfs Mar. 29, 1939; maximum gage height, 16.82 ft Oct. 4, 1964; minimum discharge, 26 cfs Sept. 10, 1952 (temporary regulation); minimum unregulated, 28 cfs Sept. 2, 4, 1954, Sept. 29, 1956.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1281: 1939-40, 1942-44, 1949-50.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	79	49	270	56	404	261	71	80	578	73	61
2	38	63	49	154	53	2.630	667	67	65	175	71	66
3	38	56	48	116	53	3.160	339	62	56	107	98	74
4	38	51	48	101	72	593	215	59	52	355	133	55
5	37	48	46	85	417	392	164	57	50	277	341	86
6	43	46	46	73	171	321	141	55	70	117	707	81
7	40	44	45	72	150	340	130	280	60	76	184	58
8	39	43	45	82	204	239	122	286	54	66	103	51
9	103	49	45	79	149	184	113	177	52	62	129	48
10	56	47	45	89	106	239	106	108	50	58	105	49
11	43	41	48	92	92	215	99	247	48	53	88	72
12	334	40	49	86	1.620	164	95	4.380	47	51	74	58
13	987	101	46	78	770	212	89	1.340	46	48	63	47
14	290	1.100	45	80	309	149	85	537	45	47	58	44
15	105	277	82	192	208	122	79	309	45	45	56	62
16	69	128	226	118	165	99	72	219	44	44	54	1.370
17	54	89	98	92	137	91	65	174	353	43	53	1.880
18	51	69	68	82	118	146	62	146	130	43	54	277
19	330	63	60	71	117	2.830	65	127	78	43	54	163
20	227	63	56	65	673	507	61	152	100	49	55	137
21	98	61	53	63	464	306	1.650	152	117	116	87	117
22	69	56	54	63	612	247	853	120	105	53	75	105
23	59	51	54	113	314	219	268	104	72	45	68	93
24	56	49	54	112	200	174	164	97	59	49	117	87
25	49	49	51	101	157	267	125	122	58	56	62	82
26	46	51	47	86	1.980	706	108	104	418	47	55	78
27	69	51	47	70	1.000	295	97	93	177	135	52	74
28	213	49	49	64	381	198	90	83	101	514	50	72
29	514	49	94	62		1.620	81	77	85	120	49	70
30	250	49	547	62	------	573	76	70	1.500	97	105	69
31	115	------	966	60	------	324	------	65	------	81	115	------
TOTAL	4.498	3.012	3.260	2.933	10.748	17.966	6.542	9.940	4.217	3.650	3.389	5.586
MEAN	145	100	105	94.6	384	580	218	321	140	118	109	186
MAX	987	1,100	966	270	1,980	3,160	1,650	4,380	1,500	578	707	1,880
MIN	37	40	45	60	53	91	61	55	44	43	49	44
CFSM	.81	.56	.58	.53	2.13	3.22	1.21	1.78	.78	.66	.61	1.03
IN.	.93	.62	.67	.61	2.22	3.71	1.35	2.05	.87	.75	.70	1.15

CAL YR 1970 TOTAL 51,124 MEAN 140 MAX 2,480 MIN 31 CFSM .78 IN 10.57
WTR YR 1971 TOTAL 75,741 MEAN 208 MAX 4,380 MIN 37 CFSM 1.16 IN 15.65

PEAK DISCHARGE (BASE 9,000 CFS).--No peak above base.

07292500 Homochitto River at Rosetta, Miss.

LOCATION.--Lat 31°19'20", long 91°06'20", in sec.12, T.4 N., R.1 E., Washington meridian, Wilkinson County, on downstream side of bridge on State Highway 33 at Rosetta, 800 ft downstream from Illinois Central Railroad bridge, 1 mile downstream from Foster Creek, and 5 miles upstream from Dry Creek.

DRAINAGE AREA.--750 sq mi, approximately.

PERIOD OF RECORD.--June to November 1906 (gage heights and discharge measurements only), October 1951 to current year in reports of Geological Survey. February 1949 to September 1951 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder and nonrecording gage read twice daily. Datum of gage is 94.39 ft above mean sea level. June 16 to Nov. 12, 1906, nonrecording gage at railroad bridge 800 ft upstream at different datum.

AVERAGE DISCHARGE.--20 years, 937 cfs (16.97 inches per year).

EXTREMES.--Current year: Maximum discharge, 21,100 cfs Mar. 19 (gage height, 20.60 ft); minimum daily, 201 cfs Aug. 30.

Period of record: Maximum discharge, 141,000 cfs Oct. 4, 1964; maximum gage height, 36.03 ft May 4, 1953; minimum discharge, 129 cfs Sept. 22-25, 28-30, 1956.

Maximum stage since February 1949, 37.80 ft Mar. 31, 1949, from reports of Corps of Engineers, Vicksburg district.

REMARKS.--Records poor. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1731: 1955(M). WSP 1920: 1955.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	208	564	309	1,860	329	1,560	1,080	359	368	1,430	444	259
2	208	454	309	925	313	7,180	1,920	334	377	2,000	364	248
3	206	368	313	621	309	10,100	1,420	321	382	725	373	359
4	206	342	305	444	334	3,040	785	305	368	640	444	507
5	204	317	301	434	1,400	2,110	553	293	377	1,060	809	464
6	206	309	301	414	1,110	1,620	518	325	386	589	1,110	355
7	210	293	293	382	933	1,400	475	908	359	419	825	309
8	216	281	281	359	1,350	1,090	434	2,120	278	382	564	259
9	240	293	274	368	1,040	968	414	1,880	301	355	916	231
10	243	301	285	396	725	933	405	817	270	321	475	208
11	234	502	313	405	627	1,000	386	950	267	301	386	274
12	602	589	325	373	4,150	817	368	9,250	293	278	301	364
13	5,320	602	305	359	3,970	634	359	5,680	293	278	270	267
14	1,840	2,380	289	364	1,710	602	351	2,560	285	301	238	224
15	1,090	3,240	647	640	1,150	480	338	1,390	278	293	228	204
16	785	950	1,770	849	899	434	334	1,040	278	278	221	2,410
17	570	668	882	405	718	405	334	817	285	270	208	6,660
18	518	530	530	351	614	627	334	627	434	263	208	2,280
19	1,530	400	449	334	541	11,100	386	576	409	255	208	1,290
20	2,820	513	405	321	627	3,200	382	1,580	342	267	208	1,450
21	1,090	486	377	317	2,170	1,710	2,350	1,180	396	293	208	916
22	576	334	368	325	3,090	1,300	3,640	576	429	317	475	661
23	518	329	351	491	1,950	1,140	1,320	475	368	289	576	564
24	491	329	329	882	933	933	865	609	535	270	329	480
25	396	305	321	801	689	857	654	1,580	382	313	305	434
26	351	297	317	464	4,420	1,420	553	710	364	325	285	434
27	396	305	313	424	4,780	1,220	496	518	891	334	241	464
28	2,280	305	313	377	2,220	833	464	491	874	968	224	486
29	2,610	313	486	355	------	4,600	424	475	377	608	214	424
30	1,640	309	1,080	359	------	3,040	391	396	1,000	454	201	359
31	785	------	4,460	359	------	1,580	------	368	------	321	245	------
TOTAL	28,589	17,208	17,601	15,758	43,101	67,933	22,733	39,510	12,246	15,197	12,103	23,844
MEAN	922	574	568	508	1,539	2,191	758	1,275	408	490	390	795
MAX	5,320	3,240	4,460	1,860	4,780	11,100	3,640	9,250	1,000	2,000	1,110	6,660
MIN	204	281	274	317	309	405	334	293	267	255	201	204
CFSM	1.23	.77	.76	.68	2.05	2.92	1.01	1.70	.54	.65	.52	1.06
IN.	1.42	.85	.87	.78	2.14	3.37	1.13	1.96	.61	.75	.60	1.18

CAL YR 1970	TOTAL 232,178	MEAN 636	MAX 6,700	MIN 193	CFSM .85	IN 11.52
WTR YR 1971	TOTAL 315,823	MEAN 865	MAX 11,100	MIN 201	CFSM 1.15	IN 15.66

PEAK DISCHARGE (BASE, 16,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
3- 3	0300	19.45	16,600	3-19	0600	20.60	21,100

07295000 Buffalo River near Woodville, Miss.

LOCATION.--Lat 31°13'35", long 91°17'45", in SW¼ sec.21, T.3 N., R.2 W., Washington meridian, Wilkinson County, near center of span on downstream side of bridge on U.S. Highway 61, 1.5 miles downstream from Fords Creek, 2.8 miles west of Wilkinson, and 8.5 miles north of Woodville.

DRAINAGE AREA.--182 sq mi.

PERIOD OF RECORD.--March 1942 to current year. Prior to October 1950, published as Buffalo Bayou near Woodville.

GAGE.--Water-stage recorder. Datum of gage is 94.52 ft above mean sea level. Prior to June 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1964, at datum 3.00 ft higher.

AVERAGE DISCHARGE.--29 years, 243 cfs (18.13 inches per year).

EXTREMES.--Current year: Maximum discharge, 21,900 cfs Sept. 16 (gage height, 15.25 ft); minimum daily, 22 cfs July 19. Period of record: Maximum discharge, 44,800 cfs Oct. 4, 1964 (gage height, 20.19 ft); minimum, 16 cfs Aug. 14, 18, 19, 1954, Sept. 28, 1956.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1281: 1943, 1946(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	78	41	317	65	618	154	48	13	247	55	45
2	36	57	42	293	60	2.870	290	43	102	581	51	93
3	36	60	42	161	61	1.330	183	34	90	79	109	170
4	36	58	42	138	147	476	161	35	82	51	115	195
5	36	56	41	111	657	338	130	32	81	46	310	505
6	36	55	41	97	173	280	110	30	105	42	250	183
7	38	53	40	91	452	268	100	1.480	59	38	87	93
8	38	51	39	105	349	208	90	1.100	51	36	115	72
9	48	57	40	103	193	180	80	629	46	34	175	63
10	43	60	41	111	149	217	70	277	41	32	105	57
11	39	50	47	107	134	185	65	1.710	38	30	78	129
12	662	47	57	91	1.740	165	60	4.140	35	30	67	115
13	1.280	134	49	84	635	161	55	902	36	28	63	72
14	265	1.200	46	81	293	154	52	335	31	26	60	61
15	102	203	417	85	217	147	49	225	29	25	59	72
16	76	117	345	75	175	143	46	170	27	24	57	6.450
17	58	90	115	70	147	143	44	130	26	24	51	1.450
18	56	79	85	68	127	327	42	120	27	23	43	342
19	496	72	76	63	117	1.490	41	110	43	22	51	1.150
20	134	87	70	58	111	320	40	3.390	64	35	52	974
21	68	67	67	58	185	233	283	660	70	42	52	458
22	56	69	64	59	476	209	327	293	60	24	55	372
23	52	60	63	860	188	188	211	242	67	23	55	145
24	78	57	90	396	136	176	180	1.120	668	29	60	117
25	57	52	65	175	119	168	140	4.700	193	47	73	104
26	47	51	59	123	1.300	161	100	587	73	43	60	138
27	149	48	57	93	646	154	80	450	90	61	49	154
28	613	46	57	82	290	149	70	400	75	63	44	138
29	673	43	1.080	79	------	310	60	500	67	46	42	90
30	165	42	1.550	75	------	225	54	350	259	70	41	70
31	97	------	888	72	------	163	------	200	------	67	42	------
TOTAL	5.601	3.200	5.756	4.291	9.352	12.150	3.367	24.347	2.695	1.968	2.532	13.959
MEAN	181	107	186	138	334	392	112	785	89.8	63.5	81.7	466
MAX	1.280	1.200	1.550	860	1.740	2.870	327	4.700	668	581	310	6.450
MIN	36	42	39	58	60	143	40	30	26	22	41	45
CFSM	.99	.59	1.02	.76	1.84	2.15	.62	4.31	.49	.35	.45	2.56
IN.	1.14	.65	1.18	.88	1.91	2.48	.69	4.98	.55	.40	.52	2.86

CAL YR 1970 TOTAL 52.930 MEAN 145 MAX 1.600 MIN 35 CFSM .80 IN 10.82
WTR YR 1971 TOTAL 89.235 MEAN 244 MAX 6.450 MIN 22 CFSM 1.34 IN 18.24

PEAK DISCHARGE (BASE, 11,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
5-25	0115	13.77	16,000	9-16	1900	15.25	21,900

07377000 Amite River near Darlington, La.

LOCATION.--Lat 30°53'20", long 90°50'40", in lot 72, T.2 S., R.4 E., St. Helena meridian, St. Helena Parish, near center of span on downstream side of State Highway 10, 1.5 miles upstream from Collins Creek, and 4.0 miles west of Darlington.

DRAINAGE AREA.--580 sq mi.

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft above mean sea level. Mar. 17, 1949, to Oct. 23, 1950, crest-stage gage; Oct. 24, 1950, to Jan. 12, 1951, nonrecording gage; Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, datum 2.99 ft higher.

AVERAGE DISCHARGE.--21 years, 784 cfs (18.36 inches per year).

EXTREMES.--Maximum discharge during year, 10,100 cfs Sept. 18 (gage height, 14.44 ft); minimum, 196 cfs Oct. 5, 6, 7; minimum gage height, 2.31 ft Aug. 30, 31, and Sept. 1

Period of record: Maximum discharge, 55,700 cfs Apr. 13, 1955 (gage height, 18.18 ft, site and datum then in use); minimum discharge, 188 cfs Oct. 18, 1956.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	205	350	240	3,010	355	1,970	634	266	335	320	1,470	234
2	203	300	238	1,590	342	2,400	557	264	318	862	778	238
3	202	268	238	926	335	3.690	602	260	305	1,410	546	240
4	199	252	238	946	338	3,790	557	258	292	1,250	420	246
5	197	244	236	994	532	3,520	471	256	613	666	417	270
6	196	238	234	760	795	1,490	417	256	459	405	468	308
7	197	236	232	592	834	1,090	378	262	338	335	447	288
8	201	234	230	536	1,330	922	358	298	295	310	358	256
9	205	240	230	540	1,190	764	348	310	286	290	816	246
10	201	242	232	529	870	686	335	540	272	278	750	242
11	199	236	236	508	634	690	328	498	266	272	453	268
12	397	232	266	480	906	624	320	1,180	262	270	348	262
13	1,380	232	266	453	2,870	574	310	2,930	264	262	305	264
14	1,720	630	248	432	2,240	540	305	3,140	254	258	284	248
15	846	1,240	270	426	1,190	504	300	1,770	248	254	272	250
16	451	878	899	411	812	474	295	767	244	248	264	1,040
17	310	479	1,380	388	622	441	290	543	240	244	258	6,960
18	264	350	1,030	378	560	423	292	432	238	244	254	9,110
19	391	308	602	362	498	1,040	292	372	244	266	252	5,530
20	560	288	477	350	465	1,700	342	630	256	242	248	2,220
21	560	285	417	342	447	1,700	322	3,380	266	252	246	1,500
22	394	270	388	340	536	906	568	3,930	250	385	244	1,040
23	300	260	375	453	886	641	382	1,190	270	315	242	792
24	268	254	518	1,030	784	546	328	704	325	266	270	624
25	254	250	501	714	557	487	298	746	396	260	315	508
26	244	248	408	532	958	441	286	1,540	328	266	315	487
27	248	248	372	450	3,470	414	282	711	330	335	270	1,000
28	594	246	358	405	3,540	393	278	571	426	417	250	930
29	672	244	725	382	------	680	274	484	350	714	240	627
30	507	242	2,210	372	------	1,130	270	402	282	620	236	465
31	421	------	3,590	362	------	886	------	362	------	683	234	------
TOTAL	12,986	10,024	17,884	19,993	28,896	35,556	11,019	29,252	9,252	13,199	12,270	36,693
MEAN	419	334	577	645	1,032	1,147	367	944	308	426	396	1,223
MAX	1,720	1,240	3,590	3,010	3,540	3,790	634	3,930	613	1,410	1,470	9,110
MIN	196	232	230	340	335	393	270	256	238	242	234	234
CFSM	.72	.58	.99	1.11	1.78	1.98	.63	1.63	.53	.73	.68	2.11
IN.	.83	.64	1.15	1.28	1.85	2.28	.71	1.88	.59	.85	.79	2.35

CAL YR 1970 TOTAL 151,588 MEAN 415 MAX 3,590 MIN 196 CFSM .72 IN 9.72
WTR YR 1971 TOTAL 237,024 MEAN 649 MAX 9,110 MIN 196 CFSM 1.12 IN 15.20

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
9-18	1000	14.44	10,100				

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in a third table.

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. Most of these measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, will give a picture of the low-flow potentiality of the stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

Discharge measurements made at low-flow partial-record stations during water year 1971

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
Pascagoula River basin						
02471900	Oakohay Creek at Hot Coffee, Miss.	Lat 31°44'31", long 89°26'34", in SE¼ sec.18, T.9 N., R.14 W., St. Stephens meridian, Covington County, at bridge on State Highway 37 at Hot Coffee.	225	1965-67, 1971	10- 6-70	45.7
02475600	Tallahatta Creek at Meehan Junction, Miss.	Lat 32°19'38", long 88°52'22", in SW¼ sec.28, T.6 N., R.14 E., Choctaw meridian, Lauderdale County, at U.S. Highway 80, 0.5 mile west of Meehan Junction, and 2 miles above mouth.	71	1943-44, 1951-52, 1954-57, 1959-60, 1968, 1971	10- 7-70	1.92
Jourdan River basin						
02481570	Catahoula Creek near Santa Rosa, Miss.	Lat 30°24'25", long 89°32'18", in NW¼ sec.30, T.7 S., R.15 W., St. Stephens meridian, Hancock County, at bridge on county highway, 2.9 miles upstream from Bayou Bacon, and 7 miles southeast of Santa Rosa.	155	1963-66‡, 1971	10- 6-70	34.7
Pearl River basin						
02481930	Lonsilocka Creek near Philadelphia, Miss.	Lat 32°42'48", long 89°09'00", in SE¼ sec.15, T.10 N., R.11 E., Choctaw meridian, Neshoba County, on State Highway 15, 4.5 miles south of Philadelphia.	-	1952-54, 1956, 1959-60, 1970-71	10- 6-70	0.25
02481950	Kentawha Creek at Philadelphia, Miss.	Lat 32°45'45", long 89°08'15", in NW¼ sec.35, T.11 N., R.11 E., Choctaw meridian, Neshoba County, on State Highway 16, 1.5 miles southwest of Philadelphia.	135	1942-43, 1945, 1952-54, 1956, 1959-60, 1965, 1970-71	10- 6-70	21.7
02482290	Standing Pine Creek near Freeny, Miss.	Lat 32°42'25", long 89°27'25", in NE¼NE¼ sec.22, T.10 N., R.8 E., Choctaw meridian, Leake County, on State Highway 488, 1.5 miles east of Freeny.	-	1960, 1970-71	10- 6-70	8.58
02482780	Sipsey Creek near Forest, Miss.	Lat 32°32'33", long 89°21'32", in NE¼ sec.15, T.8 N., R.9 E., Choctaw meridian, Scott County, at State Highway 21, 15 miles northeast of Forest, Miss.	82.2	1953, 1968-69, 1971	10- 7-70	.18
02487400	Campbell Creek at Johns, Miss.	Lat 32°07'57", long 89°50'26", in N½ sec.1, T.3 N., R.4 E., Choctaw meridian, Rankin County, at bridge on State Highway 18, at Johns.	-	1953-56, 1960, 1971	10- 6-70	.20
02487700	Westville Creek at Pinola, Miss.	Lat 31°52'50", long 89°57'28", in SE¼ sec.35, T.1 N., R.3 E., Choctaw meridian, Simpson County, on State Highway 43, at Pinola.	-	1970-71	10- 2-70	14.8
02487760	Strong River near Rockport, Miss.	Lat 31°50'50", long 90°05'30", in SW¼ sec.11, T.10 N., R.21 W., St. Stephens meridian, Simpson County, on county road, 6 miles northeast of Rockport.	-	1964, 1970-71	10- 1-70	92.0

Discharge measurements made at low-flow partial-record stations during water year 1971--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
		Pearl River basin--Continued				
02488010	Vaughn's Creek near Rockport, Miss.	Lat 31°46'58", long 90°05'22", in NW¼ sec.2, T.9 N., R.21 W., St. Stephens meridian, Simpson County, on county road, 4 miles east of Rockport.	-	1970-71	10- 1-70	8.28
02488520	Halls Creek near Monticello, Miss.	Lat 31°31'55", long 90°06'36", on line between secs.32 and 33, T.7 N., R.11 E., Washington meridian, Lawrence County, on State Highway 27, at Monticello.	a41	1967, 1971	10- 6-70	18.2
02488720	Tilton Creek near Oak Vale, Miss.	Lat 31°24'42", long 90°01'07", in SW¼ sec.8, T.5 N., R.12 E., Washington meridian, Lawrence County, on county highway, 4 miles southwest of Oak Vale.	a41	1967, 1971	10- 6-70	39.9
02489262	Hurricane Creek (Highway 35) near Sandy Hook, Miss.	Lat 31°05'36", long 89°49'44", in SW¼ sec.31, T.2 N., R.14 E., Washington meridian, Marion County, on State Highway 35, 4 miles north of Sandy Hook.	16	1966, 1971	10- 6-70	2.84
02489263	Sweetwater Creek near Sandy Hook, Miss.	Lat 31°04'12", long 89°49'15", in NW¼ sec.7, T.1 N., R.14 E., Washington meridian, Marion County, on State Highway 35, 2.7 miles north of Sandy Hook.	a3	1966, 1971	10- 6-70	6.63
02489270	Clear Creek near Sandy Hook, Miss.	Lat 31°02'12", long 89°44'28", in NE¼ sec.19, T.1 N., R.17 W., St. Stephens meridian, Marion County, on county road, 4 miles east of Sandy Hook.	a41	1966, 1971	10- 6-70	16.0
		Yazoo River basin				
07270800	Hurricane Creek near Oxford, Miss.	Lat 31°26'46", long 89°30'42", in NE¼ sec.28, T.7 S., R.3 W., Chickasaw meridian, Lafayette County, at bridge on State Highway 7, 6 miles north of Oxford.	-	1955-57, 1959-60, 1971	10- 6-70	13.3
07275700	Coldwater River near Red Banks, Miss.	Lat 34°52'33", long 89°29'44", in SE¼ sec.27, T.2 S., R.3 W., Chickasaw meridian, Marshall County, at bridge on county road, 5.5 miles northeast of Red Banks.	-	1953, 1955-56, 1959, 1970-71	3- 4-70 10- 7-70	b596 23.6
07277730	Senatobia Creek near Senatobia, Miss.	Lat 34°37'00", long 89°56'28", in NW¼SE¼ sec.28 (corrected), T.5 S., R.7 W., Chickasaw meridian, Tate County, at bridge on State Highway 4, 1.5 miles east of Senatobia.	a82	1953, 1955-56, 1959, 1971	10- 7-70	8.66
		Big Black River basin				
07289140	Calabrella Creek near Tomnolen, Miss.	Lat 33°28'13", long 89°23'13", in NE¼ sec.31, T.19 N., R.9 E., Choctaw meridian, Webster County, on U.S. Highway 82, 1.8 miles southwest of Tomnolen.	a45	1952, 1954, 1956-57, 1959-60, 1966, 1971	10- 6-70	2.42
07289215	Big Bywy ditch near Pellez, Miss.	Lat 33°27'23", long 89°21'59", in NW¼ sec.4, T.18 N., R.9 E., Choctaw meridian, Webster County, on county road, 1.2 miles south of Pellez.	a114	1966, 1971	10- 6-70	1.81
07289450	Long Creek at Sallis, Miss.	Lat 33°00'55", long 89°45'56", in NE¼ sec.3, T.13 N., R.5 E., Choctaw meridian, Attala County, on county road at Sallis.	a40	1960, 1966, 1971	10- 8-70	9.40
07289466	Seneasha Creek near Pickens, Miss.	Lat 32°55'07", long 89°53'14", in NE¼ sec.4, T.12 N., R.4 E., Choctaw meridian, Attala County, on county road, 5.5 miles northeast of Pickens.	a102	1966, 1971	10- 5-70	.76
07289620	Bear Creek near Canton, Miss.	Lat 32°40'32", long 90°05'24", on line between secs.33 and 34, T.10 N., R.2 E., Choctaw meridian, Madison County, on county road, 7 miles northwest of Canton.	-	1964, 1966, 1971	10- 5-70	1.82

Discharge measurements made at low-flow partial-record stations during water year 1971--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
		Big Black River basin--Continued				
07290100	Bakers Creek at Bolton, Miss.	Lat 32°20'35", long 90°27'32", in S½ sec.24 (revised), T.5 N., R.3 W., Choctaw meridian, Hinds County, at Bolton.	-	1953-54, 1956, 1959-60, 1971	10- 5-70	0.20
		Bayou Pierre basin				
07290232	Bayou Pierre near Beauregard, Miss.	Lat 31°44'03", long 90°27'33", in SW¼ sec.24, T.9 N., R.7 E., Washington meridian, Copiah County, on county road, 4 miles northwest of Beauregard.	-	1970-71	10- 1-70	3.74
07290568	Whiteoak Creek at Carpenter, Miss.	Lat 32°01'45", long 90°40'43", in NW¼ sec.11, T.12 N., R.5 E., Washington meridian, Copiah County, on county road, at Carpenter.	-	1970-71	9-24-71	11.5

* Operated as a continuous-record gaging station.
a Approximately.
b Not previously published.

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1971

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Mobile River basin					
02429900	Big Brown Creek near Booneville, Miss.	Lat 34°37'27", long 88°26'43", in N½ sec.27, T.5 S., R.8 E., Chickasaw meridian, Prentiss County, at bridge on State Highway 30, 1.2 miles below Thompson Branch, and 7 miles southeast of Booneville.	30.7	1952-71	2-21-71	98.55	3,250
02429980	Pollard Mill Branch near Paden, Miss.	Lat 34°39'10", long 88°15'00", in SE¼ sec.9, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, at culvert on State Highway 30, 0.8 mile east of Paden.	2.05	1967-71	2-21-71	5.58	432
02430500	Tombigbee River near Marietta, Miss.	Lat 34°26', long 88°25', in SE¼ sec.35, T.7 S., R.8 E., Chickasaw meridian, Itawamba County, at bridge on county highway, half a mile downstream from confluence of Browns Creek Canal and Mackeys Creek, 3 miles upstream from Donovan Creek Canal, and 6 miles southeast of Marietta.	305	1937-50*, 1968-71	2-22-71	11.30	(†)
a02432900	Red Boot Creek near Fulton, Miss.	Lat 34°19'10", long 88°19'30", in NE¼SE¼NW¼, sec.11, T.9 S., R.9 E., Chickasaw meridian, Itawamba County, at culvert on State Highway 25, 4.4 miles north of junction of State Highway 25 and U.S. Highway 78 near Fulton. Prior to Oct. 1, 1964, at datum 12.24 ft lower.	.13	1955-71	2-21-71	4.60	57
02434000	Town Creek at Tupelo, Miss. (formerly published as Oldtown Creek at Tupelo)	Lat 34°17'40", long 88°42'35", in SW¼SE¼ sec.18, T.9 S., R.6 E., Chickasaw meridian, Lee County, on U.S. Highway 45, 0.5 mile north of city limits of Tupelo.	112	1944-46*, 1952-70*, 1971	2-22-71	28.43	8,660
02434500	Euclautubba Creek at Saltillo, Miss.	Lat 34°22'20", long 88°42'00", in SW¼NW¼ sec.20, T.8 S., R.6 E., Chickasaw meridian, Lee County, at bridge on U.S. Highway 45 at Saltillo, 0.2 mile below Flat Creek, and 2.2 ~~miles above mouth.~~	19.7	1952-67*, 1968-71	2-21-71	13.19	2,820
02435100	Truck Stop ditch near Tupelo, Miss.	Lat 34°17'40", long 88°45'20", in NE¼NE¼NE¼ sec.22, T.9 S., R.5 E., Chickasaw meridian, Lee County, at culvert on U.S. Highway 78, 2.6 miles west of intersection of U.S. Highways 78 and 45 in Tupelo. Prior to Oct. 1, 1964, at datum 11.68 ft lower.	.22	1955-71	3-25-71	4.96	151
02435300	Cow Pike Pass near Tupelo, Miss.	Lat 34°16'00", long 88°37'10", in SW¼SE¼SE¼ sec.25, T.9 S., R.6 E., Chickasaw meridian, Lee County, at culvert on U.S. Highway 78, 5.5 miles east of Tupelo. Prior to Oct. 1, 1964, at datum 2.81 ft lower.	.14	1955-71	2-21-71	4.50	74
02435400	Clear Branch near Tupelo, Miss.	Lat 34°15'30", long 88°39'50", in SW¼SE¼NW¼ sec.34, T.9 S., R.6 E., Chickasaw meridian, Lee County, at culvert on U.S. Highway 78, 1.3 miles east of Tupelo.	.75	1955-71	10-12-70	5.40	183
02435800	Coonewar Creek at Shannon, Miss.	Lat 34°08'15", long 88°43'12", in SE¼ sec.12, T.11 S., R.5 E., Chickasaw meridian, Lee County, on U.S. Highway 45, 1 mile north of Shannon and 4.5 miles upstream from mouth.	55.6	1953-71	2-21-71	17.02	4,300
02435920	Cotton Gin Branch near Tupelo, Miss.	Lat 34°14'10", long 88°50'20", in SE¼SW¼SW¼ sec.1, T.10 S., R.4 E., Chickasaw meridian, Lee County, at culvert on State Highway 6, 7.5 miles west of Tupelo. Prior to Oct. 1, 1964, at datum 12.74 ft lower.	.30	1955-71	2-21-71	4.24	123
02435930	Shell Creek near Tupelo, Miss.	Lat 34°14', long 88°49', in NW¼SE¼SW¼ sec.6, T.10 S., R.5 E., Chickasaw meridian, Lee County, at culvert on State Highway 6, 6.6 miles west of Tupelo. Prior to Oct. 1, 1964, at datum 11.48 ft lower.	.20	1955-71	2-21-71	4.06	[illegible]

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1971

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Mobile River basin--Continued					
02436000	Chiwapa Creek at Shannon, Miss.	Lat 34°06'35", long 88°43'25", in SE¼ sec.24 T.11 S., R.5 E., Chickasaw meridian, Lee County, at bridge on U.S. Highway 45W at Shannon, and 0.7 mile above Gulf, Mobile and Ohio Railroad bridge.	136	1952-67‡, 1968-71	2-21-71	12.51	20,000
02437300	Mattubby Creek near Aberdeen, Miss.	Lat 33°52', long 88°36', in SE¼SE¼ sec.7, T.14 S., R.7 E., Chickasaw meridian, Monroe County, at bridge on U.S. Highway 45, 1.5 miles above Wolf River, and 4 miles northwest of Aberdeen.	b91	1937, 1952-71	2-21-71	22.69	6,700
02437500	Tombigbee River at Aberdeen, Miss.	Lat 33°49'14", long 88°31'07", in N½ sec.27, T.14 S., R.19 W., Huntsville meridian, Monroe County, at bridge on U.S. Highway 45, 1.3 miles below St. Louis and San Francisco Railway bridge, and 1.5 miles east of Aberdeen.	2,210	1939-58‡, 1959-71	2-24-71	38.35	35,800
02437550	Nichols Creek tributary near Quincy, Miss.	Lat 33°54'20", long 88°21'05", in SE¼ sec.29, T.13 S., R.10 E., Huntsville meridian, Monroe County, at culvert on U.S. Highway 278, 1.0 mile southeast of Quincy.	.54	1967-71	10-12-70	4.20	96
02437600	James Creek at Aberdeen, Miss.	Lat 38°48'45", long 88°34'00", in SW¼SE¼ sec.33, T.14 S., R.7 E., Chickasaw meridian, Monroe County, at bridge on State Highway 25, 0.4 mile southwest of Aberdeen.	28.9	1964-68‡, 1969-71	2-27-71	13.67	2,190
02439800	Cowbell Creek near Houlka, Miss.	Lat 34°04'10", long 89°00'20", in NW¼SE¼NE¼ sec.5, T.12 S., R.3 E., Chickasaw meridian, Chickasaw County, at culvert on State Highway 15, 1.75 miles north of Houlka. Prior to Oct. 1, 1964, at datum 1.61 ft lower.	.46	1955-71	2-21-71	5.67	185
02439980	Chuquatonchee Creek near Okolona, Miss.	Lat 34°00'05", long 88°53'00", in NE¼ sec.33, T.12 S., R.4 E., Chickasaw meridian, Chickasaw County, at bridge on State Highway 32, 7.5 miles west of Okolona.	68.5	1963-68‡, 1969-71	2-21-71	15.11	c6,090
02440020	Chuquatonchee Creek tributary near Trebloc, Miss.	Lat 33°50'25", long 88°48'20", on line between SW¼ sec.20 and NW¼ sec.29, T.14 S., R.5 E., Chickasaw meridian, Chickasaw County, at culvert on State Highway 8, 1.5 miles east of Trebloc.	.72	1967-71	2-21-71	9.18	540
02440400	Houlka Creek near McCondy, Miss.	Lat 33°47'05", long 88°51'15", in SE¼SW¼ sec.11, T.15 S., R.4 E., Chickasaw meridian, Clay County, at bridge on State Highway 47, 2.8 miles south of McCondy.	185	1963-68‡, 1969-71	2-21-71	14.92	11,500
02440600	Line Creek near Maben, Miss.	Lat 33°39', long 89°04', in S½ sec.26, T.16 S., R.2 E., Chickasaw meridian, Webster County, at bridge on State Highway 15, 1,000 ft below Gulf, Mobile and Ohio Railroad, and 7 miles north of Maben.	6.5	1952-71	2-26-71	17.22	1,260
02440800	Trim Cane Creek near Starkville, Miss.	Lat 33°28', long 88°55', in W½ sec.35, T.19 N., R.13 E., Choctaw meridian, Oktibbeha County, at bridge on U.S. Highway 82, 3 miles above Biba Wila Creek, and 6 miles west of Starkville.	39.6	1952-71	12-23-51	26.9	a7,050
					4-29-53	24.93	a4,670
					5- 2-54	19.99	a2,090
					4-12-55	23.50	a3,740
					4- 4-56	22.54	a3,220
					7- 1-57	23.18	a3,570
					11-16-57	23.12	a3,530
					4-18-59	20.71	a2,390
					3- 2-60	25.25	a4,910
					2-21-61	22.99	a3,470
					12-17-61	26.29	a6,000
					7-14-63	22.48	a3,200
					4- 6-64	25.43	5,060
					2-10-65	21.59	a2,780
					4-27-66	25.36	a5,020
					1967	(d)	(†)
					12-18-67	27.70	a9,000
					4-14-69	27.04	a7,400
					4-27-70	26.46	e6,230
					2-21-71	23.92	3,980

Annual maximum discharge at crest-stage partial-record stations during water year 1971

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Mobile River basin--Continued					
02441220	Sand Creek tributary near Mayhew, Miss.	Lat 33°28'40", long 88°43'20", on line between SW¼ sec.27 and NW¼ sec.34, T.19 N., R.15 E., Choctaw meridian, Oktibbeha County, on U.S. Highway 82, 3.7 miles west of Mayhew.	.44	1966-71	2-21-71	6.23	216
02441300	Catalpa Creek at Mayhew, Miss.	Lat 33°28'50", long 88°37'45", in NE¼SW¼ sec. 28, T.19 N., R.16 E., Choctaw meridian, Lowndes County, at bridge on U.S. Highway 82, 0.5 mile east of Mayhew.	98.2	1963-68‡, 1969-71	5-13-71	18.00	6,700
02443605	Mayo Slough tributary near Columbus, Miss.	Lat 33°28'40", long 88°31'05", on line between SE¼ sec.28 and NE¼ sec.33, T.19 N., R.17 E., Choctaw meridian, Lowndes County, at 8 x 4 foot box culvert on U.S. Highway 82, 5 miles west of Columbus.	.24	1965-71	2-21-71	4.73	122
02443700	Cedar Creek near Brooksville, Miss.	Lat 33°20'00", long 88°32'30", in SW¼ sec.17, T.17 N., R.17 E., Choctaw meridian, Lowndes County, at 10 x 6 foot box culvert on U.S. Highway 45, 7.5 miles north of Brooksville.	.49	1965-71	2-21-71	7.10	393
02447220	Bogue Fallah Creek tributary near Ackerman, Miss.	Lat 33°20'10", long 89°07'10", in SW¼ sec.14, T.17 N., R.11 E., Choctaw meridian, Choctaw County, on State Highway 12, 4.1 miles northeast of Ackerman.	.34	1966-71	5-13-71	4.54	102
02447280	Lawson Branch near Betheden, Miss.	Lat 33°15'40", long 88°56'50", in NW¼NW¼NW¼ sec.11, T.16 N., R.13 E., Choctaw meridian, Winston County, on State Highway 25, 3.4 miles north of Betheden.	1.11	1966-71	2-26-71	4.85	195
02447340	Cypress Creek tributary at Bradley, Miss.	Lat 33°22'20", long 88°59'00", in NE¼NE¼NE¼ sec.1, T.17 N., R.12 E., Choctaw meridian, Oktibbeha County, on State Highway 12, 0.3 mile southwest of Bradley.	.60	1966-71	5-12-71	4.85	155
02447500	Noxubee River near Brooksville, Miss.	Lat 33°13'30", long 88°42'10", in center of sec.19, T.16 N., R.16 E., Choctaw meridian, Noxubee County, on county road, 7 miles west of Brooksville.	b440	1941-42‡, 1944-64‡, 1965-71	5-14-71	20.33	10,800
02448620	Flat Scooba Creek tributary near Scooba, Miss.	Lat 32°50'20", long 88°28'10", in SE¼ sec.32, T.12 N., R.18 E., Choctaw meridian, Kemper County, at culvert on U.S. Highway 45, 0.8 mile north of Scooba.	.44	1967-71	5-10-71	5.38	141
02467100	Hamilton Branch near DeKalb, Miss.	Lat 32°47'30", long 88°35'40", in NE¼ sec.19 T.11 N., R.17 E., Choctaw meridian, Kemper County, at 16 x 6 foot culvert on State Highway 16, 4.2 miles northeast of DeKalb.	.97	1965-71	5-12-71	6.09	331
02469672	Little Okatuppa Creek near Quitman, Miss.	Lat 32°05'00", long 88°27'10", in NW¼SE¼SE¼ sec.21, T.3 N., R.18 E., Choctaw meridian, Clarke County, on State Highway 18, 17.6 miles east of Quitman.	4.35	1966-71	3-25-71	5.58	789
		Pascagoula River basin					
02471100	Leaf River near Raleigh, Miss.	Lat 32°00'47", long 89°25'58", in SE¼SE¼NW¼ sec.13, T.2 N., R.8 E., Choctaw meridian, Smith County, at bridge on State Highway 18, 6 miles east of Raleigh.	143	1940-43f, 1957-71	5-12-71	22.47	3,200
02471250	Leaf River at Taylorsville, Miss.	Lat 31°49'40", long 89°24'30", on line between secs.16 and 21, T.10 N., R.14 W., St. Stephens meridian, Smith County, on State Highway 28, 1 mile east of Taylorsville.	466	1968-71	5-12-71	243.64	8,250
02471500	Oakohay Creek at Mize, Miss.	Lat 31°52', long 89°33', in NW¼ sec.6, T.10 N., R.15 W., St. Stephens meridian, Smith County, on State Highway 28, at Mize.	171	1943-49‡, 1968-71	2-21-71	12.16	4,360
02472160	Big Creek tributary near Laurel, Miss.	Lat 31°41'20", long 89°19'35", in NE¼SW¼ sec.5, T.8 N., R.13 W., St. Stephens meridian, Jones County, on U.S. Highway 84, 11.4 miles west of Laurel.	.17	1966-71	12-15-70	4.98	117

Annual maximum discharge at crest-stage partial-record stations during water year 1971

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Pascagoula River basin--Continued					
02472420	Bowie Creek near Sanford, Miss.	Lat 31°28'20", long 89°31'20", in NE¼ sec.20, T.6 N., R.15 W., St. Stephens meridian, Covington County, at bridge on State Highway 589, 5.0 miles southwest of junction with U.S. Highway 49.	262	1968-71	3- 3-71	207.99	3,900
02472700	Okatoma Creek tributary at Mt. Olive, Miss.	Lat 31°46', long 89°38', in NE¼ sec.7, T.9 N., R.16 W., St. Stephens meridian, Covington County, at double 6 x 4 foot box culvert on State Highway 532, 0.3 mile east of Mt. Olive.	.33	1965-71	4-22-71	3.55	72
02472810	Okatoma Creek tributary No. 2 near Collins, Miss.	Lat 31°36'30", long 89°32'00", in SW¼ sec.32, T.8 N., R.15 W., St. Stephens meridian, Covington County, at culvert on U.S. Highway 49, 1.6 miles south of Collins.	.21	1967-71	3-18-71	5.21	106
02473047	Gordon Creek at Broad Street at Hattiesburg, Miss.	Lat 31°19'42", long 89°18'14", in NW¼NE¼ sec.9, T.4 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on Broad Street in Hattiesburg, Miss.	--	1969-71	3- 2-71	156.64	1,700
02473460	Tallahala Creek at Waldrup, Miss.	Lat 31°57'30", long 89°06'50", in SW¼ sec.31, T.2 N., R.12 E., Choctaw meridian, Jasper County, at bridge on State Highway 528, 0.8 mile west of Waldrup.	b100	1969-71	10-19-70	308.18	2,800
02473480	Tallahattah Creek near Waldrup, Miss.	Lat 31°51'40", long 89°05'10", in NW¼SE¼ sec.3, T.10 N., R.11 W., St. Stephens Meridian, Jasper County, on paved county road, 8.7 miles south of Waldrup.	30.7	1965-70*, 1971	2-21-71	16.18	4,200
02473850	Tallahoma Creek tributary at Lake Como, Miss.	Lat 31°57'40", long 89°12'20", on line between SE¼ sec.31, and NE¼ sec.6, T.2 N., R.11 E., Choctaw meridian, Jasper County, at culvert on State Highway 528, 0.5 mile east of Lake Como.	3.21	1966-71	2-21-71	8.80	1,400
02474650	Buck Creek near Runnelstown, Miss.	Lat 31°21'50", long 89°02'55", in SE¼ sec.25, T.5 N., R.11 W., St. Stephens meridian, Perry County, at bridge on State Highway 42, 2.5 miles above mouth, and 3.7 miles east of Runnelstown.	19.1	1951-71	3- 2-71	85.24	230
02475050	Waterfall Branch near McLain, Miss.	Lat 31°07'10", long 88°45'25", in SW¼NE¼SE¼ sec.23, T.2 N., R.8 W., St. Stephens meridian, Greene County, at culvert on State Highway 57, 4.2 miles east of McLain. Prior to Oct. 1, 1964, at datum 0.72 ft lower.	.65	1955-71	10-10-70	6.82	278
02475220	Little Rock Creek tributary near Little Rock, Miss.	Lat 32°31', long 89°01', in NW¼ sec.30, T.8 N., R.13 E., Choctaw meridian, Newton County, at 6 x 5 foot box culvert on State Highway 494, 1.2 miles southeast of Little Rock.	.22	1965-71	5-12-71	3.22	30
02477050	Souinlovey Creek near Baxter, Miss.	Lat 32°13', long 89°08', in NE¼ sec.3, T.4 N., R.11 E., Choctaw meridian, Jasper County, at 10 x 8 foot box culvert on State Highway 15, 2.6 miles north of Baxter.	1.14	1965-71	2-21-71	7.67	396
02477090	Powers Creek near Rose Hill, Miss.	Lat 32°07', Long 89°02', in NE¼ sec.11, T.3 N., R.12 E., Choctaw meridian, Jasper County, at double 5 x 5 foot culvert on State Highway 18, 3.0 miles southwest of Rose Hill.	.45	1965-71	2-21-71	7.18	365
02477330	Shubuta Creek near Shubuta, Miss.	Lat 31°53', long 88°44', in NW¼ sec.35, T.1 N., R.15 E., Choctaw meridian, Clarke County, at county highway, 1.5 miles northwest of Shubuta, and 5 miles above mouth.	95	1963-71	2-21-71	20.38	6,850
02478600	Granny Branch at Piave, Miss.	Lat 31°23'30", long 88°44'50", in SE¼ sec.13, T.5 N., R.8 W., St. Stephens meridian, Greene County, at culvert on State Highway 63, 0.3 mile southwest of Piave.	.69	1967-71	5-12-71	5.02	238

Annual maximum discharge at crest-stage partial-record stations during water year 1971

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Pascagoula River basin--Continued					
02479094	Blown Pine Creek near Hattiesburg, Miss.	Lat 31°18'10", long 89°31'00", on line between SW¼ sec.16 and NW¼ sec.21, T.4 N., R.15 W., St. Stephens meridian, Lamar County, at culvert on U.S. Highway 98, 11.3 miles west of intersection of U.S. Highways 49 and 98 in Hattiesburg.	1.60	1967-71	4-20-71	5.70	398
02479138	Walls Creek tributary near Brooklyn, Miss.	Lat 31°06'15", long 89°13'05", in NW¼NE¼SE¼ sec.29, T.2 N., R.12 W., St. Stephens meridian, Forrest County, on U.S. Highway 49, 3.4 miles northwest of Brooklyn.	.37	1966-71	10-13-70	3.92	80
02479165	Mosquito Branch at Benndale, Miss.	Lat 30°51'40", long 88°49'30", in SW¼NE¼ sec. 19, T.2 S., R.8 W., St. Stephens meridian, George County, at State Highway 26, 1.0 mile west of Benndale. Prior to Oct. 1, 1964, at datum 0.99 ft higher.	.22	1955-71	10-19-70	3.55	48
02479187	Red Creek tributary near Wiggins, Miss.	Lat 30°50'55", long 89°13'40", in SW¼NE¼NE¼ sec.30, T.2 S., R.12 W., St. Stephens meridian, Stone County, on State Highway 26, 5.3 miles west of Wiggins.	.22	1966-71	5-12-71	5.54	129
02479260	Bluff Creek tributary near Whites Crossing, Miss.	Lat 30°51'10", long 88°57'30", in NE¼SW¼SE¼ sec.23, T.2 S., R.10 W., St. Stephens meridian, Stone County, on State Highway 26, 5.0 miles east of Whites Crossing.	.82	1966-71	10-19-70	6.17	490
02479580	Escatawpa River near Harleston, Miss.	Lat 30°43'40", long 88°27'20", in SW¼ sec.2, T.4 S., R.5 W., St. Stephens meridian, Jackson County, at bridge on county road, 3.5 miles east of State Highway 613 at Harleston.	584	1968-71	2-20-71	45.86	6,400
02480150	Franklin Creek near Grand Bay, Ala.	Lat 30°28'10", long 88°23'10", in NW¼ sec.4, T.7 S., R.4 W., St. Stephens meridian, Mobile County, at bridge on county highway, 0.9 mile east of Miss.-Ala. State line, 2.6 miles west of Grand Bay, Ala., and 3.1 miles upstream from mouth.	16.4	1959-71	9- 5-71	14.59	680
02481130	Biloxi River near Lyman, Miss.	Lat 30°29'18", long 89°02'09", in SE¼SE¼ sec. 25, T.6 S., R.11 W., St. Stephens meridian, Harrison County, on downstream side of left pier of bridge on county highway, 1.2 miles downstream from Little Biloxi River, 4.6 miles east of Lyman.	251	1965-71	12-16-70	17.12	7,590
		Wolf River basin					
02481400	Wolf River near Poplarville, Miss.	Lat 30°50'50", long 89°28'20", in W½ sec.26, T.2 S., R.15 W., St. Stephens meridian, Pearl River County, at bridge on State Highway 26, 4 miles east of Poplarville.	b71	1952-71	2-17-71	185.18	1,370
02481450	Murder Creek near Poplarville, Miss. (Station discontinued in 1970)	Lat 30°47'18", long 89°22'40", in SW¼NW¼ sec.14, T.3 S., R.14 W., St. Stephens meridian, Pearl River County, at bridge on old State Highway 26, 11 miles southeast of Poplarville.	21.6	1952-70	8-19-69	19.0	a6,500
02481505	Mill Creek tributary near Lizana, Miss.	Lat 30°35'50", long 89°19'10", in NW¼ sec.20, T.5 S., R.13 W., St. Stephens meridian, Harrison County, at culvert on State Highway 53, 6.4 miles northwest of Lizana.	2.29	1967-71	12-15-70	5.49	472
		Pearl River basin					
02481900	Coonshuck Creek tributary near House, Miss. (formerly published as Cooneshuck Creek tributary).	Lat 32°39', long 89°01', in NW¼ sec.12, T.9 N., R.12 E., Choctaw meridian, Neshoba County, at a double 5 x 4 foot box culvert on State Highway 19, 2.3 miles northwest of House, and 9.3 miles southeast of Philadelphia.	.20	1965-71	10-19-70	3.48	58

Annual maximum discharge at crest-stage partial-record stations during water year 1971

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
		Pearl River basin--Continued					
02482100	Indian Branch near Edinburg, Miss.	Lat 32°46'50", long 89°25'30", in NW¼NE¼NE¼ sec.25, T.11 N., R.8 E., Choctaw meridian, Leake County, on State Highway 16, 5.4 miles west of Edinburg.	1.92	1966-71	5-12-71	3.83	363
02482310	Lobutcha Creek tributary at Wamba, Miss.	Lat 33°02', long 89°27', in NW¼ sec.35, T.14 N., R.8 E., Choctaw meridian, Attala County, at 10 x 10 foot box culvert on State Highway 19, 0.3 mile west of Wamba.	.94	1965-71	4-29-71	6.99	410
02482900	Tallabogue Creek tributary near Harperville, Miss.	Lat 32°32'00", long 89°28'40", in SW¼SE¼ sec.16, T.8 N., R.8 E., Choctaw meridian, Scott County, on State Highway 35, 2.8 miles north of Harperville.	.12	1966-71	2-26-71	3.88	38
02483890	Yockanookany River tributary near McCool, Miss.	Lat 33°10', long 89°25', in SW¼ sec.7, T.15 N., R.9 E., Choctaw meridian, Attala County, at double 6 x 4 foot box culvert on State Highway 12, 4 miles southwest of McCool.	.34	1965-71	2-26-71	3.68	107
02484750	Red Cane Creek tributary near Pisgah, Miss.	Lat 32°28'05", long 89°47'55", on line between NE¼ sec.8 and NW¼ sec.9, T.7 N., R.5 E., Choctaw meridian, Rankin County, at 54-inch circular pipe on State Highway 43, 4.1 miles east of Pisgah.	.10	1965-71	5-12-71	5.14	69
02485380	Hollybush Creek tributary No. 1 near Pisgah, Miss.	Lat 32°26'00", long 89°48'50", in NW¼ sec.20, T.7 N., R.5 E., Choctaw meridian, Rankin County, at 8 x 6 foot box culvert on State Highway 43, 7.2 miles southeast of Pisgah.	.59	1965-71	5-12-71	5.92	265
02485385	Hollybush Creek tributary No. 2 near Pisgah, Miss.	Lat 32°25'40", long 89°48'55", in SW¼ sec.20, T.7 N., R.5 E., Choctaw meridian, Rankin County, at 8 x 4 foot box culvert on State Highway 43, 7.6 miles southeast of Pisgah.	.25	1965-71	9-26-70 5-12-71	5.47 5.29	a183 170
02485392	Clear Creek tributary near Pelahatchie, Miss.	Lat 32°21'35", long 89°47'55", on line between SW¼ sec.16 and SE¼ sec.17, T.6 N., R.5 E., Choctaw meridian, Rankin County, at 60-inch circular culvert on State Highway 43, 3.3 miles north of intersection of Highways 80 and 43 in Pelahatchie.	.12	1965-71	5-10-71	5.16	79
02485650	Purple Creek at Jackson, Miss.	Lat 32°22'45", long 90°07'17", in NW¼ sec.8, T.6 N., R.2 E., Choctaw meridian, Hinds County, at Colonial Country Club, 600 ft above old Canton Road bridge, and 1.5 miles above mouth.	5.85	1952-71	4-21-71	94.94	940
02485700	Hanging Moss Creek at Jackson, Miss.	Lat 32°22'00", long 90°09'00", in NE¼ sec.13, T.6 N., R.1 E., Choctaw meridian, Hinds County, at bridge on east service road of Interstate 55 (formerly U.S. Highway 51), 1 mile above Whiteoak Creek, and 2 miles above mouth. Prior to Oct. 1, 1961, at datum 73.56 ft lower.	16	1953-71	10-13-70	16.51	1,650
02485800	Eubanks Creek at Jackson, Miss.	Lat 32°20'15", long 90°09'40", in NE¼NW¼NE¼ sec.26, T.6 N., R.1 E., Choctaw meridian, Hinds County, near right bank at downstream side of Wood Dale Drive bridge in Jackson, 1600 ft upstream from Interstate 55 (formerly U.S. Highway 51), and 1.3 miles upstream from mouth. Prior to Oct. 1, 1959, at 1,600 ft downstream at datum 0.74 ft lower.	4.0	1954-71	4-21-71	13.93	2,020
02485900	Neely Creek near Brandon, Miss.	Lat 32°17'58", long 90°03'44", in SW¼ sec.2, T.5 N., R.2 E., Choctaw meridian, Rankin County, at double 8 x 6 foot box culvert on New Airport Road, 5.4 miles west of Brandon.	1.09	1965-71	3-13-71	3.79	218
02486050	Town Creek at Jackson, Miss.	Lat 32°17'35", long 90°11'06", in NW¼SW¼ sec.3, T.5 N., R.1 E., Choctaw meridian, Hinds County, at bridge on Gallatin St. in Jackson, 300 ft above Illinois Central Railroad.	11.3	1953-71	2-26-71	14.25	3,600

Annual maximum discharge at crest-stage partial-record stations during water year 1971

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Pearl River basin--Continued							
02486100	Lynch Creek at Jackson, Miss.	Lat 32°17'15", long 90°13'00", in SE¼ sec.8, T.5 N., R.1 E., Choctaw meridian, Hinds County, at bridge on Valley St. in Jackson, 2,000 ft below U.S. Highway 80, and 2.0 miles above mouth. Prior to Oct. 1, 1958, at site 2,000 ft upstream.	11.1	1955-71	2-26-71	13.80	3,500
02486115	Three Mile Creek at Jackson, Miss.	Lat 32°16'15", long 90°13'00", in NW¼SE¼ sec. 17, T.5 N., R.1 E., Choctaw meridian, Hinds County, 300 ft downstream from old U.S. Highway 51 (Terry Road), 0.6 mile above Illinois Central Railroad.	1.12	1962-71	3- 2-71	281.50	1,710
02486240	Richland Creek tributary near Brandon, Miss.	Lat 32°13'30", long 90°01'10", on line between sec.32, T.5 N., R.3 E. and sec.6, T.4 N., R.3 E., Choctaw meridian, Rankin County, on State Highway 469, 4.6 miles southwest of Brandon.	.12	1966-71	9-16-71	4.20	30
02487670	Boggans ditch near Mendenhall, Miss.	Lat 31°53'10", long 89°53'20", in NE¼NE¼NE¼ sec.33, T.1 N., R.4 E., Choctaw meridian, Simpson County, at culvert on State Highway 13, 5.5 miles south of Mendenhall. Prior to Oct. 1, 1964, at datum 1.27 ft higher.	.91	1955-71	2-21-71	4.30	178
02487690	Baking Powder Draw near Prentiss, Miss.	Lat 31°50'20", long 89°53'00", in SE¼NE¼NW¼ sec.14, T.10 N., R.19 W., St. Stephens meridian, Simpson County, at culvert on State Highway 13, 4.9 miles north of Jefferson Davis-Simpson County line, and 16.0 miles north of Prentiss. Prior to Oct. 1, 1964, at datum 1.37 ft higher.	.82	1955-71	3-18-71	3.72	77
02487710	Barretts Branch near Pinola, Miss.	Lat 31°52'50", long 90°02'40", in NE¼NE¼SE¼ sec.36, T.1 N., R.2 E., Choctaw meridian, Simpson County, at culvert on State Highway 28, 5 miles west of Pinola. Prior to Oct. 1, 1964, at datum 0.79 ft lower.	.88	1955, 1957-71	9-16-71	7.93	507
02487770	Bradleys ditch near Pinola, Miss.	Lat 31°52'50", long 90°05'30", in NW¼NW¼SW¼ sec.34, T.1 N., R.2 E., Choctaw meridian, Simpson County, at culvert on State Highway 28, 8.5 miles west of Pinola. Prior to Oct. 1, 1964, at datum 1.09 ft higher.	.54	1955-71	9-16-71	5.91	253
02487900	Copiah Creek near Hazlehurst, Miss.	Lat 31°53'23", long 90°17'10", in SW¼SE¼ sec.27, T.1 N., R.1 W., Choctaw meridian, Copiah County, at bridge on State Highway 28, 6.2 miles east of Hazlehurst.	48.6	1948-65, 1966-68‡, 1969-71	1971	(g)	(†)
02488340	Small Pine ditch near Monticello, Miss.	Lat 31°32'50", long 90°15'40", in SW¼SW¼NW¼ sec.25, T.7 N., R.9 E., Washington meridian, Lawrence County, at culvert on U.S. Highway 84, 9 miles west of Monticello. Prior to Oct. 1, 1964, at datum 0.84 ft higher.	.16	1955-71	9-16-71	5.28	107
02488510	Roadside Park ditch near Monticello, Miss.	Lat 31°34'30", long 90°03'20", in SW¼SE¼NW¼ sec. 18, T.7 N., R.12 E., St. Stephens meridian, Lawrence County, at culvert on U.S. Highway 84, 3.0 miles east of Monticello. Prior to Oct. 1, 1964, at datum 0.86 ft higher.	.25	1955-71	3-18-71	4.30	93
02488540	Newhebron Gulley at Newhebron, Miss.	Lat 31°44', long 90°00', in NW¼SW¼SE¼ sec.22, T.9 N., R.20 W., St. Stephens meridian, Lawrence County, at 16 x 10 foot box culvert on paved county highway, 0.9 mile west of Newhebron.	2.50	1965-71	2-21-71	6.73	701
02488550	Goines Draw near Prentiss, Miss.	Lat 31°47'00", long 89°52'40", in NE¼NW¼NE¼ sec.2, T.9 N., R.19 W., St. Stephens meridian, Simpson County, at culvert on State Highway 13, 12.2 miles north of Prentiss.	.34	1955-71	2-20-71	2.02	54

Annual maximum discharge at crest-stage partial-record stations during water year 1971

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
		Pearl River basin--Continued					
02488680	Plum ditch near Prentiss, Miss.	Lat 31°35'20", long 89°56'40", on line between NE¼ and SE¼ sec.7, T.7 N., R.19 W., St. Stephens meridian, Jefferson Davis County, at culvert on U.S. Highway 84, 4.2 miles west of Prentiss.	.23	1955-71	7-24-71	5.20	103
02489030	Elmers Draw near Columbia, Miss.	Lat 31°12'00", long 89°58'00", in SE¼SE¼NW¼ sec.26, T.3 N., R.12 E., Washington meridian, Marion County, at U.S. Highway 98, 5.7 miles west of Columbia. Prior to Oct. 1, 1964, at datum 1.12 ft higher.	.91	1955-71	5-12-71	5.40	193
02489160	Kokomo Draw at Kokomo, Miss.	Lat 31°11'30", long 90°00'00", in SW¼SE¼SW¼ sec.28, T.3 N., R.12 E., Washington meridian, Marion County, at culvert on U.S. Highway 98, at Kokomo. Prior to Oct. 1, 1964, at datum 1.20 ft higher.	1.26	1955-71	5-12-71	3.96	150
02490370	Bogue Chitto near Pricedale, Miss.	Lat 31°16'10", long 90°21'40", in SE¼ sec.35, T.4 N., R.8 E., Washington meridian, Pike County, at bridge on State Highway 44, 4.5 miles west of Pricedale, 7 miles east of McComb.	265	1968-71	3-19-71	286.28	4,100
02490550	Middle Fork Hickory Flat near Tylertown, Miss.	Lat 31°10', long 90°13', on line between secs.5 and 8, T.2 N., R.10 E., Washington meridian, Walthall County, at culvert on U.S. Highway 98, 0.2 mile above Fernwood, Columbia, and Gulf Railroad, and 5.5 miles northwest of Tylertown. Prior to Oct. 1, 1964, at datum 10.95 ft lower.	1.37	1953-71	9-16-71	6.19	526
02492360	West Hobolochitto Creek near McNeill, Miss.	Lat 30°39'42", long 89°41'10", in NW¼NE¼ sec.34, T.4 S., R.17 W., St. Stephens meridian, Pearl River County, at bridge on county road, 3.1 miles west of McNeill.	175	1966-68‡, 1969-71	10- 7-70	17.72	3,870
		Hatchie River basin					
07029252	Pool Branch near Ripley, Miss.	Lat 34°42'50", long 88°47'20", in NW¼NW¼ sec.28, T.4 S., R.5 E., Chickasaw meridian, Tippah County, on State Highway 4, 10.1 miles east of Ripley.	1.24	1966-71	2-21-71	3.94	298
07030365	Wesley Branch near Walnut, Miss.	Lat 34°57'00", long 89°05'20", in SE¼ sec.33, T.1 S., R.2 E., Chickasaw meridian, Benton County, on U.S. Highway 72, 10.5 miles west of Walnut.	2.17	1966-71	2-21-71	3.78	150
		Yazoo River basin					
07267000	Hell Creek near New Albany, Miss.	Lat 34°30'55", long 89°03'10", in SW¼ sec.36, T.6 S., R.2 E., Chickasaw meridian, Union County, at bridge on U.S. Highway 78, 3 miles northwest of New Albany, and 4.5 miles above mouth.	27.3	1939-42‡, 1952-71	2-21-71	14.48	3,400
07267150	Jones Creek tributary near New Albany, Miss.	Lat 34°26'00", long 89°01'00", on line between NE¼ sec.31 and NW¼ sec.32, T.7 S., R.3 E., Chickasaw meridian, Union County, on State Highway 15, 3.4 miles south of New Albany.	.34	1966-71	7-29-71	5.92	175
07267200	Cracker ditch near Pontotoc, Miss.	Lat 34°17'30", long 89°11'40", in SE¼NW¼NW¼ sec.22, T.9 S., R.1 E., Chickasaw meridian, Pontotoc County, at culvert on State Highway 6, 11 miles west of Pontotoc. Prior to Oct. 1, 1964, at datum 11.43 ft lower.	.23	1955-71	2-21-71	4.25	64
07268500	Cypress Creek near Etta, Miss.	Lat 34°26', long 89°17', in SE¼ sec.27, T.7 S., R.1 W., Chickasaw meridian, Lafayette County, at bridge on State Highway 30, 4.5 miles southwest of Etta, and 5 miles above mouth. Prior to Oct. 1, 1964, at datum 10.00 ft higher.	28.5	1939-42‡, 1952-71	1971	(d)	(†)

Annual maximum discharge at crest-stage partial-record stations during water year 1971

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
		Yazoo River basin--Continued					
07269000	North Tippah Creek near Ripley, Miss.	Lat 34°44', long 89°02', in SW¼ sec.18, T.4 S., R.3 E., Chickasaw meridian, Tippah County, at bridge on State Highway 4, 2 miles upstream from Tippah Creek, and 5.5 miles west of Ripley.	20.0	1939-42‡, 1952-71	2-22-71	16.76	2,530
07274250	Otuckalofa Creek at Water Valley, Miss.	Lat 34°08'25", long 89°38'17", in SW¼NE¼ sec.8, T.11 S., R.4 W., Chickasaw meridian, Yalobusha County, at bridge on State Highway 7, 0.9 mile south of Water Valley, and 5.2 miles above mouth.	84.1	1952-71	4-21-71	23.28	3,000
07275500	Long Creek near Courtland, Miss.	Lat 34°13'40", long 89°56'20", near center of sec.9, T.10 S., R.7 W., Chickasaw meridian, Panola County, at bridge on U.S. Highway 51, 1 mile south of Courtland, 5.5 miles above mouth, and 6 miles south of Batesville.	66.2	1940-43‡, 1952-71	10-13-70	15.60	5,620
07277550	James Wolf Creek tributary near Looxahoma, Miss.	Lat 34°36'45", long 89°50'30", on line between SW¼ sec.28 and NW¼ sec.33, T.5 S., R.6 W., Chickasaw meridian, Tate County, at double 8 x 5 foot box culvert on State Highway 4, 1.2 miles north of Looxahoma, and 7.8 miles east of Senatobia.	.29	1965-71	1971	(g)	(†)
07282300	Sabougla Creek tributary at Sabougla, Miss.	Lat 33°46'10", long 89°27'30", in SE¼ sec.16, T.22 N., R.8 E., Choctaw meridian, Calhoun County, at culvert on State Highway 8, 0.5 mile south of Sabougla.	.50	1967-71	4-21-71	4.99	149
07283490	Caney Creek near Coffeeville, Miss.	Lat 33°55'40", long 89°38'20", in SE¼NE¼SW¼ sec.23, T.24 N., R.6 E., Choctaw meridian, Yalobusha County, at culvert on State Highway 330, 4.2 miles east of Coffeeville. Prior to Oct. 1, 1964, at datum 8.88 ft lower.	1.97	1955-71	4-21-71	7.16	942
07285100	Tie Plant Branch near Grenada, Miss.	Lat 33°43'40", long 89°47'20", in SE¼NE¼SE¼ sec.32, T.22 N., R.5 E., Choctaw meridian, Grenada County, on U.S. Highway 51, 3.3 miles south of Grenada.	.13	1966-71	8- 9-71	4.60	97
07285700	Long Creek near Cascilla, Miss.	Lat 33°51'40",long 89°59'05", in NE¼ sec.16, T.23 N., R.3 E., Choctaw meridian, Tallahatchie County, at 16 x 12 foot box culvert on county highway, 1.1 miles east of Cascilla.	1.64	1965-71	3-19-70 10-12-70	9.38 7.82	a1,090 788
07286010	Brushy Creek tributary near Oxberry, Miss.	Lat 33°50'45", long 90°03'10", in NE¼ sec.23, T.23 N., R.2 E., Choctaw meridian, Tallahatchie County, at 24 x 12 foot culvert on State Highway 35, 4.5 miles north of Oxberry.	1.49	1965-71	2-21-71	7.99	1,230
07286047	Tippo Bayou tributary at Phillip, Miss.	Lat 33°45'30", long 90°11'30", in NE¼ sec.21 T.22 N. R.1 E., Choctaw meridian, Tallahatchie County, at culvert on State Highway 8, 0.8 mile east of Railroad in Phillip.	.04	1967-71	2-21-71	4.26	25
07[illegible]86520	Big Sand Creek tributary near North Carrollton, Miss.	Lat 33°31'30", long 89°52'50", on line between SE¼ and NE¼ sec.9, T.19 N., R.4 E., Choctaw meridian, Carroll County, at 36-inch corrugated pipe on county highway 2.4 miles east of North Carrollton.	.09	1965-71	12-30-69 10-13-70	7.25 5.49	a68 44
07287050	Palusha Creek tributary near Carrollton, Miss.	Lat 33°28', long 89°57', in SE¼ sec.35, T.19 N., R.3 E., Choctaw meridian, Carroll County, at 8 x 6 foot box culvert on State Highway 17, 3.4 miles south of Carrollton.	.43	1965-71	10-13-70	3.28	48
07287140	Martin Lake tributary at Sidon, Miss.	Lat 33°27'10", long 90°12'30", in SW¼ sec.4, T.18 N., R.1 E., Choctaw meridian, Leflore County, at culvert on U.S. Highway 49 E., 3.1 miles north of Sidon.	.26	1967-71	10-13-70	5.78	163

Annual maximum discharge at crest-stage partial-record stations during water year 1971

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Yazoo River basin--Continued							
07287165	Mosquito Lake tributary No. 1, at Itta Bena, Miss.	Lat 33°28'55", long 90°19'30", in SE¼NW¼ sec.29, T.19 N., R.1 W., Choctaw meridian, Leflore County, on State Highway 7, 0.5 mile (revised) south of compress at Itta Bena.	.11	1966-71	10- 7-69 2-21-71	4.19 4.62	a43 56
07287170	Mosquito Lake tributary No. 2, at Itta Bena, Miss.	Lat 33°28'45", long 90°19'20", in NE¼NW¼ sec.29, T.19 N., R.1 W., Choctaw meridian, Leflore County, on State Highway 7, 0.8 mile south of compress at Itta Bena.	.13	1966-71	2-21-71	3.97	64
07287350	Fannegusha Creek near Tchula, Miss.	Lat 33°10'00", long 90°10'12", on line between secs.11 and 14, T.15 N., R.1 E., Choctaw meridian, Holmes County, on State Highway 12, 3 miles east of Tchula.	100	1953-65h, 1968-71	7-17-71	157.82	11,000
07287505	Broad Lake tributary No. 1 near Yazoo City, Miss.	Lat 32°52'50", long 90°29'40", in SE¼SW¼ sec.15, T.12 N., R.3 W., Choctaw meridian, Yazoo County, on U.S. Highway 49W, 3.6 miles northwest of Yazoo River bridge.	.11	1966-71	2-19-71	4.74	19
07287510	Broad Lake tributary No. 2 near Yazoo City, Miss.	Lat 32°52'45", long 90°29'25", in NW¼NE¼ sec.22, T.12 N., R.3 W., Choctaw meridian, Yazoo County, 3.4 miles northwest of Yazoo River bridge.	.05	1966-71	7-17-71	5.15	22
07287520	Short Creek tributary near Yazoo City, Miss.	Lat 32°48'15", long 90°22'20", in NE¼ sec.14, T.11 N., R.2 W., Choctaw meridian, Yazoo County, at double 8 x 8 box culvert on U.S. Highway 49, 3.5 miles southeast of Yazoo City.	1.49	1965-71	2-21-71	10.06	1,130
07288568	Quiver River tributary near Schlater, Miss.	Lat 33°38'30", long 90°24'30", in SE¼ sec.33, T.21 N., R.2 W., Choctaw meridian, Leflore County, at culvert on State Highway 442, 3.4 miles west of Schlater.	.18	1967-71	7-25-71	5.37	35
Big Black River basin							
07289100	Big Black River tributary near Eupora, Miss.	Lat 33°32'00", long 89°17'40", in SW¼ sec.6, T.19 N., R.10 E., Choctaw meridian, Webster County, at double 12 x 5 foot box culvert on U.S. Highway 82, 1.8 miles southwest of Eupora.	2.29	1965-71	2-26-71	5.96	562
07289225	Downing Branch near French Camp, Miss.	Lat 33°19', long 89°25', in SW¼ sec.24, T.17 N., R.8 E., Choctaw meridian, Choctaw County, at 12 x 12 foot box culvert on State Highway 413, 2.0 miles north of French Camp.	1.74	1965-71	2-26-71	8.12	441
07289268	Hays Creek tributary near Vaiden, Miss.	Lat 33°21'20", long 89°48'00", in NW¼NW¼ sec.8, T.17 N., R.5 E., Choctaw meridian, Carroll County, on State Highway 35, 4.3 miles northwest of Highway 51.	.40	1966-71	2-26-71	8.62	390
07289395	Sharkey Creek tributary near West, Miss.	Lat 33°08'45", long 89°44'30", in NW¼ sec.24, T.15 N., R.5 E., Choctaw meridian, Attala County, at culvert on State Highway 19, 4.7 miles southeast of West.	.30	1967-71	2-21-71	6.78	146
07289470	Tacketts Creek tributary near Pickens, Miss.	Lat 32°56', long 89°58', on line between NE¼ and SE¼ sec.34, T.13 N., R.3 E., Choctaw meridian, Holmes County, at 6 x 6 foot box culvert on State Highway 17, 3.6 miles north of Pickens.	.15	1965-71	2-21-71	6.43	181
07289600	Tilda Bogue near Canton, Miss.	Lat 32°39'15", long 90°00'50", in SW¼ sec.5, T.9 N., R.3 E., Choctaw meridian, Madison County, at bridge on U.S. Highway 51, 3 miles north of Canton, and 3.5 miles above mouth.	19.2	1948-71	2-26-71	17.36	2,350
07289640	Panther Creek near Flora, Miss.	Lat 32°33'57", long 90°10'22", in SW¼ sec.2, T.8 N., R.1 E., Choctaw meridian, Madison County, at 6 x 5 foot box culvert on State Highway 22, 8.0 miles northeast of Flora.	.26	1965-71	6-18-71	6.42	199

Annual maximum discharge at crest-stage partial-record stations during water year 1971

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
		Big Black River basin--Continued					
07289641	Panther Creek tributary near Flora, Miss.	Lat 32°34'00", long 90°10'05", in SW¼ sec.2, T.8 N., R.1 E., Choctaw meridian, Madison County, at 5 x 2.2 foot culvert on State Highway 22, 8.3 miles northeast of Flora.	.07	1965-71	4-21-71	6.56	123
07290005	Clear Creek near Bovina, Miss.	Lat 32°21'42", long 90°43'32", in SW¼ sec.17, T.6 N., R.5 W., Choctaw meridian, Warren County, on county road, 1 mile northeast of Bovina.	b36	1953-71	2-21-71	24.09	4,050
		Bayou Pierre basin					
07290220	Dry Draw near Brookhaven, Miss.	Lat 31°38'35", long 90°25'50", in NW¼SW¼SW¼ sec.20, T.8 N., R.8 E., Washington meridian, Lincoln County, on U.S. Highway 51, 4.5 miles north of Brookhaven.	0.20	1966-71	4-21-71	5.41	114
07290525	Whiteoak Creek tributary near Utica, Miss.	Lat 32°04'00", long 90°31'35", in SE¼ sec.29, Choctaw meridian, Hinds County, at 12 x 12 foot box culvert on State Highway 27, 6.3 miles southeast of Utica.	1.36	1965-71	10-19-70	8.88	671
07290690	Clarks Creek near Pattison, Miss.	Lat 31°53'40", long 90°50'40", in lot 35, T.11 N., R.4 E., Washington meridian, Claiborne County, at bridge on county highway,1.3 miles above mouth, and 2.5 miles east of Pattison.	77.4	1967-71	10-12-70	10.98	2,890
07290830	Little Creek near Fayette, Miss.	Lat 31°40'30", long 91°04'10", in SE corner of irregular section 24, T.8 N., R.1 E., Washington meridian, Jefferson County, at culvert on State Highway 33, 2 miles south of Fayette.	1.71	1967-71	10-12-70	6.99	394
07290870	Coles Creek near Fayette, Miss.	Lat 31°45'55", long 91°11'30", in lot 21, T.9 N., R.1 W., Washington meridian, Jefferson County, at bridge on county highway, 0.7 mile below confluence of North and South Forks of Coles Creek, and 10 miles northwest of Fayette.	257	1961-62, 1964-71	10-12-70	22.00	24,100
		St. Catherine Creek basin					
07290910	Spanish Bayou at Natchez, Miss.	Lat 31°31'50", long 91°22'25", in sec.46, T.7 N., R.3 W., Washington meridian, Adams County, at culvert on U.S. Highways 84 and 65, at southern city limits of Natchez.	2.59	1967-71	10-12-70	15.12	1,990
		Homochitto River basin					
07291250	McCall Creek near Lucien, Miss.	Lat 31°30'24", long 90°38'45", in SW¼ sec.6, T.6 N., R.6 E., Washington meridian, Franklin County, at U.S. Highway 84, 0.8 mile east of Lucien.	b60	1953, 1955-71	1971	(d)	(†)
07291260	Beaver Run near McCall Creek, Miss.	Lat 31°30'30", long 90°43'10", in NW¼NE¼NE¼ sec.8, T.6 N., R.5 E., Washington meridian, Franklin County, at culvert on U.S. Highway 84, 1.4 miles west of McCall Creek. Prior to Oct. 1, 1964, at datum 0.56 ft higher.	2.61	1955-71	3-19-71	4.33	179
07294400	Observers Draw near Doloroso, Miss.	Lat 31°19'10", long 91°21'20", between secs.10 and 22, T.4 N., R.2 W., Washington meridian, Wilkinson County, at culvert on U.S. Highway 61, 1.3 miles north of Doloroso. Prior to Oct. 1, 1964, at datum 0.80 ft higher.	.22	1954-71	2-26-71	6.18	151
		Thompson Creek basin					
07373550	Moores Branch near Woodville, Miss.	Lat 31°05'20", long 91°14'30", in SE¼SW¼ sec.32, T.2 N., R.1 W., Washington meridian, Wilkinson County, at State Highway 24, 3.3 miles east of Woodville. Prior to Oct. 1, 1964, at datum 0.88 ft lower.	.21	1955-71	9-16-71	3.33	110

Annual maximum discharge at crest-stage partial-record stations during water year 1971

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
		Mississippi River Delta					
07375235	Tangipahoa River tributary near McComb, Miss.	Lat 31°12'30", long 90°31'40", in NE¼SE¼ sec.19, T.3 N., R.7 E., Washington meridian, Pike County, on State Highway 24, 4.8 miles southwest of McComb.	2.71	1966-71	9-16-71	7.05	522
07376665	Stock Pond Draw near Liberty, Miss.	Lat 31°10'15", long 90°45'20", in NW¼SE¼NE¼ sec.1, T.2 N., R.4 E., Washington meridian, Amite County, on State Highway 24, 3.4 miles east of Liberty.	.38	1966-71	9-16-71	6.86	297
07376760	CRS Draw near Liberty, Miss.	Lat 31°06'50", long 90°54'10", in SW¼NW¼NW¼ sec.32, T.2 N., R.3 E., Washington meridian, Amite County, on State Highway 48, 6.6 miles west of intersection with Highway 24 in Liberty.	.80	1966-71	9-16-71	8.43	526

† Discharge not determined.
‡ Operated as a continuous-record gaging station.
a Revised.
b Approximately.
c Peak discharges for water years 1964-68 will be revised in a subsequent report.
d Peak stage did not reach bottom of gage.
e Not previously published.
f Gage height and discharge measurements in files of Corps of Engineers.
g High-water mark was not obtained.
h Published at site near Howard, 3 miles downstream.

Discharge measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations are given in the following table. Those that are measurements of base flow are designated by an asterisk (*); measurements of peak flow by a dagger (†); estimates of peak flow by two daggers (††).

Discharge measurements made at miscellaneous sites during water year 1971

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Mobile River basin				
Mantachie Creek	Tombigbee River	Lat 34°15'08", long 88°28'36", in SE¼ sec.32, T.9 S., R.8 E., Chickasaw meridian, Itawamba County, on Highway 78, 0.5 mile east of Dorsey, Miss.	a62	1943, 1945-46, 1952-57, 1959-60	10- 5-70	*1.56
Pawticfaw Creek	Sucarnoochee River	Lat 32°40'22", long 88°32'15", in NE¼ sec.34, T.10 N., R.17 E., Choctaw meridian, Kemper County, on county road. 4 miles west of Porterville, Miss.	-	-	4-30-71 5-13-71 5-13-71	424 2,640 †3,090
Ponta Creek	Sucarnoochee River	Lat 32'31'28", long 88°37'42", in NE¼ sec.23, T.8 N., R.16 E., Choctaw meridian, Lauderdale County, on county road, 2 miles southeast of Lizelia, Miss.	-	1968	4-30-71	383
Ponta Creek	Sucarnoochee River	Lat 32°32'08", long 88°34'32", in SE¼ sec.17, T.8 N., R.17 E., Choctaw meridian, Lauderdale County, on county road, 4 miles west of Lauderdale, Miss.	-	-	4-30-71	†761
		Pascagoula River basin				
Station Creek	Oakey Woods Creek	Lat 31°39'56", long 89°30'30", in NE¼ sec.16 (revised), T.8 N., R.15 W., St. Stephens meridian, Covington County, on U.S. Highway 84, 3 miles northeast of Collins, Miss.	a59	1943, 1951-52, 1954-57, 1959-60	10- 6-70	*1.33
Station Creek	Oakey Woods Creek	Lat 31°39'22", long 89°28'36", in SE¼ (revised) sec.14, T.8 N., R.15 W., St. Stephens meridian, Covington County, on county road, 5 miles east of Collins, Miss.	-	1956-57	10- 6-70	*4.86
Okatoma Creek	Bowie Creek	Lat 31°53'10", long 89°41'56", in NE¼NE¼ sec.32, T.1 N., R.6 E., Choctaw meridian, Simpson County, on county road, 2 miles east of Magee, Miss.	-	-	5-13-71	722
Okatoma Creek	Bowie Creek	Lat 31°51'55", long 89°41'26", in E½ (revised) sec.3, T.10 N., R.17 W., St. Stephens meridian, Simpson County, at bridge on State Highway 28, 2.8 miles east of Magee, Miss.	a38	1960-62	10- 6-70	*3.91
Leaf River	Pascagoula River	Lat 31°15'40", long 89°13'35", in SW¼SW¼ sec.32, T.4 N., R.12 W., St. Stephens meridian, Forrest County, on county road, 2.7 miles southeast of Palmer, Miss.	-	-	9-22-71	1,880
Thompson Creek	Leaf River	Lat 31°33'24", long 88°51'35", in SE¼ sec.23, T.7 N., R.9 W., St. Stephens meridian, Wayne County, on county road, 10 miles west of Clara, Miss.	-	-	3- 2-71 3- 2-71 3- 3-71 3-19-71	1,600 2,570 3,800 512
Thompson Creek	Leaf River	Lat 31°15'39", long 88°54'08", in SW¼ sec.33, T.4 N., R.9 W., St. Stephens meridian, Perry County, on county road, 1 mile east of Hintonville, Miss.	-	1964-65	3- 4-71	4,340
Gallagher Creek	Sowashee Creek	Lat 32°22'07", long 88°43'04", at center of sec.12, T.6 N., R.15 E., Choctaw meridian, Lauderdale County, at 19th Street in Meridian, Miss.	3.91	-	7-30-71	††3,400
Buckatunna Creek	Chickasawhay River	Lat 32°05'30", long 88°34'54", in NW¼ sec.20, T.3 N., R.17 E., Choctaw meridian, Clarke County, on State Highway 18 at Sykes, Miss.	120	1953-57 1960-61, 1964, 1966, 1968	10- 7-70	*1.59
Long Creek	Buckatunna Creek	Lot 32°05'40", long 88°36'40", in NE¼ sec.24, T.3 N., R.16 E., Choctaw meridian, Clarke County, on State Highway 18, 8 miles northeast of Quitman, Miss.	a75	1953-57, 1960-61, 1964, 1968	10- 7-70	*5.65
Buckatunna Creek	Chickasawhay River	Lat 31°55'46", long 88°30'20", in NE¼ sec.13, T.1 N., R.17 E., Choctaw meridian, Clarke County, at county road, 5 miles east of Carmichael, Miss.	a330	1968-69	10- 7-70	*8.05

Discharge measurements made at miscellaneous sites during water year 1971

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Jourdan River basin				
Catahoula Creek	Jourdan River	Lat 30°32'04", long 89°31'33", in SW¼ sec.8, T.6 S., R.15 W., St. Stephens meridian, Hancock County, on county road, 3.5 miles south of Caesar, Miss.	-	-	10- 6-70	*5.96
Hickory Creek	Catahoula Creek	Lat 30°30'22", long 89°29'44", in SE¼ sec.21, T.6 S., R.15 W., St. Stephens meridian, Hancock County, 8.5 miles northwest of Kiln, Miss.	-	1953-55, 1957, 1959	10- 6-70	*8.46
Bayou Bacon	Jourdan River	Lat 30°27'53", long 89°29'37", in NW¼ sec.3, T.7 S., R.15 W., St. Stephens meridian, Hancock County, 5.5 miles northwest of Kiln, Miss.	-	1953-55, 1957, 1959	10- 6-70	*2.17
		Pearl River basin				
Nanawaya Creek	Pearl River	Lat 32°59'36", long 88°53'36" (revised), in NW¼ sec.8, T.13 N., R.14 E., Choctaw meridian, Winston County, on State Highway 490, 2.5 miles northwest of Handle, Miss.	80.5	1970	5-13-71	†3,570
Lobutcha Creek	Pearl River	Lat 32°58'45", long 89°23'00", in SW¼ sec.16, T.13 N., R.9 E., Choctaw meridian, Attala County, on State Highway 19, at Zama, Miss.	145	1938-40, 1945, 1953-54, 1956, 1960, 1969-70	4-11-69 5-13-71	b†13,400 †5,810
Lobutcha Creek	Pearl River	Lat 32°51'45", long 89°26'37", in SW¼ sec.26, T.12 N., R.8 E., Choctaw meridian, Leake County, on State Highway 25, at Renfroe, Miss.	220	-	9-30-67 4-11-69 4-11-69 10- 6-70	b14.2 b†12,600 b†13,600 5.34
Tallabogue Creek	Tuscolameta Creek	Lat 32°29'20", long 89°27'29", in SE¼SE¼ sec.34, T.8 N., R.8 E., Choctaw meridian, Scott County, on county road, 2 miles east of Harperville, Miss.	-	1953, 1956, 1959-60	10- 6-70	*.29
Yockanookany River	Pearl River	Lat 33°16'17", long 89°17'16", in SE¼ sec.5, T.16 N., R.10 E., Choctaw meridian, Choctaw County, on State Highway 407, at Wier, Miss.	-	-	10- 5-70	*2.50
Coffee Bogue	Pearl River	Lat 32°34'24", long 89°43'50", on line between sec.1, T.8 N., R.5 E., and sec.6, T.8 N., R.6 E., Choctaw meridian, Scott County, on county road, 1 mile west of Ludlow, Miss.	-	-	5-12-71 5-13-71	1,320 ††3,770
Brashear Creek	Pearl River	Lat 32°25'37", long 90°06'18", in NW¼NW¼ sec. 28, T.7 N., R.2 E., Choctaw meridian, Madison County, on Natchez Trace, 1 mile east of Ridgeland, Miss.	-	1960	4-21-71	936
Culley Creek	Pearl River	Lat 32°25'30", long 90°05'32", in NE¼NE¼ sec.28, T.7 N., R.2 E., Choctaw meridian, Madison County, on Natchez Trace, 2 miles east of Ridgeland, Miss.	-	-	4-21-71	480
Eubanks Creek tributary	Eubanks Creek	Lat 32°21'21", long 90°11'00", on line between secs.15 and 22, T.6 N., R.1 E., Choctaw meridian, Hinds County, at Northside Drive, in Jackson, Miss.	.63	-	10-13-70	10.5
Eubanks Creek	Pearl River	Lat 32°21'03", long 90°11'34", on line between secs. 21 and 22, T.6 N., R.1 E., Choctaw meridian, Hinds County, at Bailey Avenue, in Jackson, Miss.	.84	-	10-13-70	48.0
Eubanks Creek	Pearl River	Lat 32°20'53", long 90°10'40", in NE¼SE¼ sec.22, T.6 N., R.1 E., Choctaw meridian, Hinds County, at Northview Drive, in Jackson, Miss.	2.06	-	10-12-70 10-13-70	173 184
Eubanks Creek	Pearl River	Lat 32°20'48", long 90°10'51", in SW¼ sec.23, T.6 N., R.1 E., Choctaw meridian, Hinds County, at Chickasaw Avenue, in Jackson, Miss.	3.13	-	10-12-70 10-13-70	408 250

Discharge measurements made at miscellaneous sites during water year 1971

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Pearl River basin--Continued				
Town Creek	Pearl River	Lat 32°21'08", long 90°13'40", in NE¼ sec.19, T.6 N., R.1 E., Choctaw meridian, Hinds County, at Delta Drive, in Jackson, Miss.	1.37	1969	10-12-70	62.1
Town Creek	Pearl River	Lat 32°19'25", long 90°13'01", in NW¼NE¼ sec.32, T.6 N., R.1 E., Choctaw meridian, Hinds County, at Woodrow Wilson Avenue, in Jackson, Miss.	4.40	1969	10-13-70 2-26-71	630 132
Airport Branch	Town Creek	Lat 32°20'38", long 90°13'11", in SE¼SW¼ sec.20, T.6 N., R.1 E., Choctaw meridian, Hinds County, at Delta Drive, in Jackson, Miss.	.80	1969	10-12-70 10-13-70	9.43 77.0
Airport Branch	Town Creek	Lat 32°19'35", long 90°12'36", on line between N½ of secs.32 and 33, T.6 N., R.1 E., Choctaw meridian, Hinds County, at Woodrow Wilson Avenue, in Jackson, Miss.	1.71	1969	10-13-70 2-26-71	250 162
Town Creek	Pearl River	Lat 32°19'03", long 90°12'16", in NE¼SW¼ sec.33, T.6 N., R.1 E., Choctaw meridian, Hinds County, at Maple Street, in Jackson, Miss.	6.80	1969	10-12-70 10-13-70	499 819
West Branch Town Creek	Town Creek	Lat 32°19'04", long 90°11'52", in SE¼ sec.33, T.6 N., R.1 E., Choctaw meridian, Hinds County, at Maple Street, in Jackson, Miss.	1.69	-	2-26-71	246
West Branch Town Creek	Town Creek	Lat 32°18'48", long 90°11'49", in SE¼SE¼ sec.33, T.6 N., R.1 E., Choctaw meridian, Hinds County, at Oak Street, in Jackson, Miss.	1.77	1969-70	10-13-70 2-26-71	292 393
East Branch Town Creek	Town Creek	Lat 32°19'37", long 90°11'20", on line between secs.27 and 34, T.6 N., R.1 E., Choctaw meridian, Hinds County, at Woodrow Wilson Avenue, in Jackson, Miss.	1.32	1969	2-26-71	525
East Branch Town Creek	Town Creek	Lat 32°18'31", long 90°11'39", in NE¼NE¼ sec.4, T.5 N., R.1 E., Choctaw meridian, Hinds County, at Monument Street, in Jackson, Miss.	2.25	1969	2-26-71	699
Lynch Creek	Pearl River	Lat 32°19'18", 90°14'16", in SE¼NW¼ sec.31, T.6 N., R.1 E., Choctaw meridian, Hinds County, at Mt. Vernon Avenue, in Jackson, Miss.	4.05	1969	2-26-71 2-26-71	515 213
Lynch Creek tributary	Lynch Creek	Lat 32°18'59", long 90°14'22", in SW¼ sec.31, T.6 N., R.1 E., Choctaw meridian, Hinds County, at Nimitz Street, in Jackson, Miss.	3.25	-	3-25-71	393
Lynch Creek	Pearl River	Lat 32°18'18", long 90°13'50", in SE¼NE¼ sec.6, T.5 N., R.1 E., Choctaw meridian, Hinds County, at Robinson Road, in Jackson, Miss.	8.63	1969	2-26-71 2-26-71	1,130 824
Brushy Creek	Pearl River	Lat 31°56'15", long 90°12'53", in SE¼ sec.8, T.1 N., R.1 E., Choctaw meridian, Copiah County, on State Highway 27, 0.8 mile south of Hopewell, Miss.	-	-	10- 2-70	*2.48
Limestone Creek	Pearl River	Lat 31°52'55", long 90°07'14", in W½ sec.32, T.1 N., R.2 E., Choctaw meridian, Simpson County, on county road, 3 miles east of Georgetown, Miss.	-	1970	10- 2-70	*1.15
Pearl River	Gulf of Mexico	Lat 31°52'30", long 90°08'18", in SW¼ sec.31, T.1 N., R.2 E., Choctaw meridian, Copiah County, on State Highway 28, 2 miles east of Georgetown, Miss.	3,790	1939, 1964, 1966-67	10- 1-70 9-10-71	*403 794
White Oak Creek	Strong River	Lat 32°04'12", long 89°42'04", in SW¼NE¼ sec.29, T.3 N., R.6 E., Choctaw meridian, Smith County, on State Highway 18, 1 mile south of Gunn, Miss.	-	1952, 1956, 1968	10- 6-70	*.20
Sanders Creek c/	Strong River	Lat 32°01'24", long 89°58'40", in SE¼ sec.10, T.2 N., R.3 E., Choctaw meridian. Simpson County, on county road, at Braxton, Miss.	11.3	1948, 1950, 1954, 1956, 1959-60	10- 1-70	*1.50

Discharge measurements made at miscellaneous sites during water year 1971

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Pearl River basin--Continued				
Pearl River	Gulf of Mexico	Lat 31°47'25", long 90°08'31", in SW¼ sec.31, T.10 N., R.11 E., Washington meridian, Copiah County, on county road, 1 mile east of Rockport, Miss.	a4,600	1939-51†, 1967	10- 2-70 10- 2-70	543 492
Fair River	Pearl River	Lat 31°36'07", long 90°09'49", in SE¼ sec.2, T.7 N., R.10 E., Washington meridian, Lawrence County, on county road, 4 miles southeast of Sontag, Miss.	-	-	5-19-71	89.3
Fair River	Pearl River	Lat 31°37'03", long 90°07'48", in SE¼ (revised) sec.31, T.8 N., R.11 E., Washington meridian, Lawrence County, on State Highway 27, 4.5 miles north of Monticello, Miss.	a85	1955-56, 1959-60, 1964, 1966-67, 1969-70	2-16-71	110
Pearl River	Gulf of Mexico	Lat 31°37'05", long 90°05'20", in SW¼ sec.35, T.8 N., R.21 W., St. Stephens meridian, Lawrence County, at St. Regis Paper Company, 2 miles east of Rosella, Miss.	-	1969-70	2-16-71 3- 9-71 5-19-71	10,170 31,600 29,800
East Prong Silver Creek	Silver Creek	Lat 31°43'17", long 89°56'51", in NE¼ sec.30, T.9 N., R.19 W., St. Stephens meridian, Jefferson Davis County, on State Highway 42, at Hebron, Miss.	-	-	5-13-71	1,010
Pearl River tributary	Pearl River	Lat 31°18'20", long 89°54'02", in NW¼ sec.21, T.4 N., R.13 E., Washington meridian, Marion County, on State Highway 587, at Morgantown, Miss.	-	1966-67	10- 6-70	*1.44
Bogue Chitto	Pearl River	Lat 31°20', long 90°26', SE¼ sec.6, T.4 N., R.8 E., Washington meridian, Pike County, on county road, 1.6 miles southeast of Johnson Station, Miss.	-	-	5-12-71	2,980
Bogue Chitto	Pearl River	Lat 31°17'46", long 90°23'46", on line between secs.21 and 22, T.4 N., R.8 E., Washington meridian, Pike County, on State Highway 570, 4.5 miles east of Summit, Miss.	-	1965	5-12-71	3,820
Bogue Chitto	Pearl River	Lat 31°01'20", long 90°12'20", on line between secs.28 and 29, T.1 N., R.10 E., Washington meridian, Walthall County, on county road, 1 mile west of Lehr, Miss.	-	1970	9-10-71 9-17-71	448 6,320
East Hobolochitto Creek	Hobolochitto Creek	Lat 30°37'10", long 89°35'06", in SE¼SE¼SW¼ sec.10, T.5 S., R.16 W., St. Stephens meridian, Pearl River County, 4 miles east of Carriere, Miss.	-	-	10- 6-70	*12.6
West Hobolochitto Creek	Hobolochitto Creek	Lat 30°35'23", long 89°41'48", in NW¼NW¼NW¼ sec.27, T.5 S., R.17 W., St. Stephens meridian, Pearl River County, on county road, 2 miles west of Ozona, Miss.	-	1964-65	10- 6-70	*28.8
Mill Creek	West Hobolochitto Creek	Lat 30°33'52", long 89°39'56", in SW¼ sec.36, T.5 S., R.17 W., St. Stephens meridian, Pearl River County, on U.S. Highway 11, 1.3 miles north of Picayune, Miss.	-	1953-55, 1957, 1959	10- 6-70	*8.33
Hobolochitto Creek	Pearl River	Lat 30°32'00", long 89°44'22", in NW¼ sec.7, T.6 S., R.17 W., St. Stephens meridian, Pearl River County, on county road, 2 miles west of Picayune, Miss.	-	1962, 1966, 1968	1- 8-71 9-16-71	708 803
		Tennessee River basin				
Yellow Creek	Tennessee River	Lat 34°54'02", long 88°17'35", in SW¼SW¼ sec.18, T.2 S., R.10 E., Chickasaw meridian, Tishomingo County, 0.4 mile south of Doskie, Miss.	-	-	10- 5-70	*16.3

Discharge measurements made at miscellaneous sites during water year 1971

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Yazoo River basin				
Bagley Creek	Tallahatchie River	Lat 34°30'10", long 89°24'53", in SW¼ sec.4, T.7 S., R.2 W., Chickasaw meridian, Lafayette County, on county road, 5 miles east of Abbeville, Miss.	9.96	1939-41‡	10- 6-70	*0.89
Little Spring Creek	Tallahatchie River	Lat 34°34'34", long 89°28'30", in NE¼NE¼SE¼ sec. 11, T.6 S., R.3 W., Chickasaw meridian, Marshall County, on county road, at Malone, Miss.	-	1955-56, 1959	10- 6-70	*42.6
Coldwater River	Tallahatchie River	Lat 34°53'46" (revised), long 89°33'52", on line between sec.19, T.2 S., R.3 W., and sec.24, T.2 S., R.4 W., Chickasaw meridian, Marshall County, on county road, 4.7 miles north of Red Banks, Miss.	104	1970	2-22-71 2-22-71	†4,410 3,490
Pigeonroost Creek	Coldwater River	Lat 34°45'35", long 89°41'45", in SE¼ sec.2, T.4 S., R.5 W., Chickasaw meridian, Marshall County, on county road, 8.0 miles south of Byhalia, Miss.	116	1940-42‡	10- 7-70	*40.4
James Wolf Creek	Hickahala Creek	Lat 34°37'00", long 89°49'18", in SW¼ sec.27, T.5 S., R.6 W., Chickasaw meridian, Tate County, on State Highway 4, 2 miles northeast of Looxahoma, Miss.	-	-	3-19-70	b1,820
Basket Creek	Hickahala Creek	Lat 34°36'42", long 89°53'56", in NE¼NE¼NE¼ sec.35, T.5 S., R.7 W., Chickasaw meridian, Tate County, on State Highway 4, 3.6 miles east of Senatobia, Miss.	-	-	3-19-70	b526
Senatobia Creek	Hickahala Creek	Lat 34°37'00", long 89°56'28", in SE¼ sec.28, T.5 S., R.7 W., Chickasaw meridian, Tate County, on State Highway 4, 1.2 miles east of Senatobia, Miss.	82	1953, 1955-56, 1959	3-19-70	b†5,130
Hickahala Creek	Coldwater River	Lot 34°39'14", long 89°58'25", in NE¼ sec.18, T.5 S., R.7 W., Chickasaw meridian, Tate County, on U.S. Highway 51, 2.5 miles north of Senatobia, Miss.	a210	1953, 1955-56	10- 7-70	*33.9
Little Bogue Creek	Batupan Bogue	Lot 33°40'30", long 89°40'53", in NE¼NE¼ sec.20, T.21 N., R.6 E., Choctaw meridian, Montgomery County, on county road, 3 miles northeast of Duck Hill, Miss.	-	-	9-15-71	6.94
		Big Black River basin				
Spring Creek	Big Black River	Lat 33°33', long 89°10', in NE¼ sec.5, T.19 N., R.11 E., Choctaw meridian, Webster County, on U.S. Highway 82, 2 miles west of Mathiston, Miss.	-	1952, 1954, 1956-57, 1959-60	10- 6-70	0
Big Black River	Mississippi River	Lat 33°31'20", long 89°15'23", in SW¼ sec.9 (revised), T.19 N., R.10 E., Choctaw meridian, Webster County, on State Highway 9, 1.5 miles south of Eupora, Miss.	-	1960, 1964	10- 6-70	*1.02
Big Black River tributary	Big Black River	Lat 33°32'00", long 89°17'38", in SW¼SW¼ sec.6, T.19 N., R.10 E., Choctaw meridian, Webster County, on U.S. Highway 82, 1.5 miles southwest of Eupora, Miss.	-	-	10- 6-70	0
Salt Creek	Big Black River	Lat 33°30'55", long 89°19'05", in NE¼ sec.14, T.19 N., R.9 E., Choctaw meridian, Webster County, on U.S. Highway 82, 3 miles southwest of Eupora, Miss.	-	1952, 1954, 1956-57	10- 6-70	0
Big Black River	Mississippi River	Lat 33°28'07", long 89°22'17", in NE¼ sec.32, T.19 N., R.9 E., Choctaw meridian, Webster County, on county road, 0.6 mile south of Pellez, Miss.	-	-	10- 6-70	*.78
Mulberry Creek	Big Black River	Lat 33°26'17", long 89°32'44", in SE¼ sec.10, T.18 N., R.7 E., Choctaw meridian, Montgomery County, at bridge on State Highway 82, 1 mile east of Kilmichael, Miss.	-	1954, 1956-57, 1959, 1964	10- 6-70	*.45

Discharge measurements made at miscellaneous sites during water year 1971

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Bayou Pierre basin				
King Creek	Bayou Pierre	Lat 31°45'40", long 90°25'33", in SW¼ sec.8, T.9 N., R.8 E., Washington meridian, Copiah County, on county road, 2.5 miles southeast of Martinsville, Miss.	-	-	10- 1-70	*0.03
Bayou Pierre	Mississippi River	Lat 31°45'27", long 90°27'35", in SW¼ sec.12, T.9 N., R.7 E., Washington meridian, Copiah County, on county road, 5.4 miles northwest of Wesson, Miss.	-	-	10- 1-70	*4.11
Bayou Pierre	Mississippi River	Lat 31°47'07", long 90°27'58", in NE¼NE¼ sec.2, T.9 N., R.7 E., Washington meridian, Copiah County, 3.5 miles west of Martinsville, Miss.	-	-	10- 1-70	*4.51
Bayou Pierre	Mississippi River	Lat 31°49'42", long 90°28'54", in NE¼NE¼ sec.22, T.10 N., R.7 E., Washington meridian (revised), Copiah County, on State Highway 28, 1 mile northeast of Glancy, Miss.	a95	1953-54, 1956, 1959-60, 1964	10- 1-70	*6.45
Johnson Creek	Jones Creek	Lat 31°51'02", long 90°26'03", in SE¼ sec.7, T.10 N., R.8 E., Washington meridian, Copiah County, on county road, 2.4 miles west of Hazlehurst, Miss.	-	-	10- 1-70	*.32
Jones Creek	Bayou Pierre	Lat 31°50'36", long 90°27'23", in NE¼NW¼ sec.13, T.10 N., R.7 E., Washington meridian, Copiah County, on State Highway 28, 3.6 miles southwest of Hazlehurst, Miss.	-	-	10- 1-70	*.50
Long Creek	Bayou Pierre	Lat 31°55'32", long 90°29'37", in W½ sec.15, T.1 N., R.3 W., Choctaw meridian, Copiah County, on county road, 7.3 miles northwest of Hazlehurst, Miss.	-	1953-54, 1956, 1959-60, 1964, 1970	9-24-71	2.60
Turkey Creek	Bayou Pierre	Lat 31°57'29", long 90°26'15", in NE¼ sec.6, T.1 N., R.2 W., Choctaw meridian, Copiah County, on county road, 3.2 miles northwest of Gallman, Miss.	-	-	10- 1-70	*3.76
Hurricane Creek	Turkey Creek	Lat 31°58'10", long 90°29'03", in W½ sec.35, T.2 N., R.3 W., Choctaw meridian, Copiah County, on county road 4.4 miles east of Dentville, Miss.	-	-	10- 1-70	*.08
Turkey Creek	Bayou Pierre	Lat 31°56'55", long 90°31'17", in SE¼SE¼ sec.5, T.1 N., R.3 W., Choctaw meridian, Copiah County, on county road, 2 miles east of Dentville, Miss.	-	1953-54, 1956, 1959	10- 1-70	*4.47
Bayou Pierre	Mississippi River	Lat 31°57'06", long 90°33'51" (revised), in NE¼SW¼ sec.1, T.1 N., R.4 W., Choctaw meridian, Copiah County, on county road, 0.6 mile southwest of Dentville, Miss.	-	1970	9-24-71	45.1
Jackson Creek	Foster Creek	Lat 31°48'31", long 90°35'22", in SW¼NE¼ sec.27, T.10 N., R.6 E., Washington meridian, Copiah County, on county road, 4 miles east of Barlow, Miss.	-	-	10-1-70	*.42
Jackson Creek	Foster Creek	Lat 31°49'42", long 90°35'25", in N½ sec.22, T.10 N., R.6 E., Washington meridian, Copiah County, on county road, 6 miles west of Glancy, Miss.	-	-	10- 1-70	*.39
Foster Creek	Bayou Pierre	Lat 31°52'31", long 90°37'22", in SE¼SE¼SE¼ sec.32, T.1 N., R.4 W., Choctaw meridian, Copiah County, on county road, 6.5 miles west of Smyrna, Miss.	-	-	10- 1-70	*1.18
Foster Creek	Bayou Pierre	Lat 31°55'53", long 90°37'18", in NE¼NE¼ sec.17, T.1 N., R.4 W., Choctaw meridian, Copiah County, on county road, 8 miles southeast of Myles, Miss.	-	1970	9-24-71	7.68

‡ Operated as a continuous-record gaging station.
a Approximately.
b Not previously published.
c Formerly published as Mill Creek at Braxton.

PART 2. WATER QUALITY RECORDS

02472580 OKATOMA CREEK AT SARATOGA, MISS.

LOCATION.--Lat 31°48'30", long 089°40'00", in SE¼ sec.26, T.10 N., R.17 W., St. Stephens meridian, Simpson County, at gaging station at bridge on county highway, 4.6 miles south of Magee.

DRAINAGE AREA.--

PERIOD OF RECORD.--Chemical analyses: July 1970 to September 1971 (discontinued)

EXTREMES.--1970-71: Specific conductance: maximum daily, 55 micromhos May 1, and September 19, 1971; minimum daily, 24 micromhos October 13, 1970

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	37	36	40	40	40	39	46	46	44	43	44	33
2	37	36	40	38	40	40	47	46	43	42	37	33
3	36	36	38	38	40	40	46	46	42	42	40	37
4	36	36	38	38	40	40	46	28	42	42	38	37
5	36	35	38	38	40	39	41	37	44	42	42	38
6	35	35	38	37	39	39	42	41	46	44	42	42
7	36	34	37	37	39	38	44	42	46	44	44	42
8	40	36	37	37	38	38	43	42	48	46	46	44
9	40	40	37	36	38	38	42	42	48	48	46	45
10	41	40	37	36	38	38	42	42	48	45	45	40
11	42	40	38	37	41	38	43	42	45	44	44	44
12	42	38	37	37	53	41	44	43	44	42	46	43
13	45	24	37	36	54	53	48	44	43	47	46	45
14	41	34	49	36	53	50	46	46	47	44	43	42
15	46	31	48	46	50	40	46	44	44	44	46	42
16	46	43	46	44	46	42	44	44	44	43	47	46
17	43	40	44	42	50	46	44	44	43	42	47	45
18	40	39	42	42	50	48	44	44	42	42	46	35
19	39	37	42	40	48	46	44	42	42	42	38	33
20	38	38	44	40	46	45	42	42	53	36	41	38
21	42	38	45	44	44	44	42	42	38	30	42	41
22	43	42	45	44	44	43	46	42	44	34	42	42
23	43	42	44	42	44	43	50	46	48	44	42	42
24	42	42	42	39	45	44	51	49	48	47	---	---
25	42	42	39	39	46	45	49	48	47	46	---	---
26	42	42	39	39	45	43	52	48	46	30	---	---
27	42	42	39	39	43	42	52	50	40	30	---	---
28	42	42	39	39	42	42	50	47	44	40	---	---
29	42	42	39	39	44	42	47	47	---	---	---	---
30	42	41	40	39	46	38	47	47	---	---	---	---
31	41	40	---	---	46	37	47	46	---	---	---	---
MONTH	46	24	49	36	54	37	52	28	53	30	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	55	52	39	39	48	42	47	46	43	42
2	---	---	52	48	39	39	48	47	48	47	47	44
3	---	---	48	44	39	39	50	48	47	34	46	45
4	---	---	46	46	39	37	50	50	45	34	47	46
5	---	---	46	46	38	38	50	49	44	42	47	46
6	---	---	46	46	39	38	49	46	46	42	47	46
7	---	---	46	43	40	38	46	45	46	42	47	46
8	---	---	50	46	41	40	45	43	46	45	47	46
9	---	---	50	50	41	41	43	42	53	46	47	45
10	---	---	50	49	41	40	43	42	50	50	46	45
11	---	---	49	45	40	40	44	43	50	48	45	44
12	---	---	46	37	41	40	44	44	48	46	45	44
13	---	---	39	37	41	41	44	44	48	48	44	44
14	42	42	42	37	47	41	44	43	49	48	44	44
15	42	42	44	42	42	42	43	43	49	44	44	42
16	42	42	44	43	42	42	43	43	48	46	42	36
17	42	42	45	44	42	42	43	42	47	46	43	36
18	42	42	44	43	42	40	46	42	46	46	48	42
19	42	42	43	43	41	40	47	45	46	45	55	45
20	42	42	43	42	40	40	45	44	45	44	53	44
21	50	42	44	42	47	40	44	44	44	40	52	50
22	46	42	42	42	45	45	44	43	43	41	53	46
23	46	41	42	42	45	33	43	32	43	41	53	46
24	45	41	42	42	43	33	43	40	44	41	50	45
25	45	45	42	42	47	43	46	40	45	44	52	40
26	46	46	42	42	44	43	46	46	46	45	55	50
27	46	46	42	42	44	42	46	35	47	46	55	53
28	46	46	42	40	44	33	40	35	46	46	53	50
29	46	46	40	39	40	32	47	40	46	45	53	50
30	54	46	39	39	42	32	46	43	45	44	50	48
31	---	---	39	39	---	---	47	44	44	43	---	---
MONTH	---	---	55	37	48	---	50	32	50	34	55	36
YEAR	55	24										

PASCAGOULA RIVER BASIN

02473260 LEAF RIVER NEAR PALMER, MISS.

LOCATION.--Lat 31°15'40", long 089°13'35", in SW¼SW¼ sec.32, T.4 N., R.24 E., St. Stephens meridian, Forrest County, on county road, three miles east of Palmer, Miss.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)
NOV.										
09...	690	--	--	95	--	--	6.2	--	--	--
FEB.										
10...	4300	50	40	48	2.6	18	6.3	10	1.0	.700
10...	4300	--	--	65	--	--	6.2	--	--	--
MAR.										
25...	3100	42	25	210	2.7	--	6.3	12	.73	--
25...	3110	--	--	260	--	--	6.4	--	--	--
MAY										
06...	300	55	5	360	4.1	12	6.2	16	.84	.060
06...	300	--	--	650	--	--	6.4	--	--	--
JUNE										
17...	600	10	30	111	2.6	7	6.0	5	--	.210
17...	600	--	--	130	--	--	6.4	--	--	--
AUG.										
04...	700	30	30	80	2.5	16	6.3	10	.84	.010
04...	700	--	--	80	--	--	--	--	--	--
SEP.										
17...	--	--	--	70	--	--	5.7	--	--	--
17...	600	50	20	75	4.1	10	6.4	11	.70	.010
17...	--	--	--	110	--	--	5.1	--	--	--

DATE	NITRATE (NO3) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	PO-TAS-SIUM (K) (MG/L)
NOV.									
09...	--	--	--	--	--	--	--	--	--
FEB.									
10...	.0	.20	14	11	3.0	--	--	--	--
10...	--	--	--	--	--	--	--	--	--
MAR.									
25...	--	.03	18	14	4.0	44	2.7	64	1.4
25...	--	--	--	--	--	--	--	--	--
MAY									
06...	.0	.04	23	16	7.0	105	5.5	76	2.8
06...	--	--	--	--	--	--	--	--	--
JUNE									
17...	--	.12	18	12	6.0	24	1.4	48	1.6
17...	--	--	--	--	--	--	--	--	--
AUG.									
04...	.2	.10	20	13	7.0	13	.7	31	1.4
04...	--	--	--	--	--	--	--	--	--
SEP.									
17...	--	--	--	--	--	--	--	--	--
17...	.1	.19	16	14	2.0	14	.9	41	1.2
17...	--	--	--	--	--	--	--	--	--

DATE	SULFATE (SO4) (MG/L)	FECAL COLI-FORM (MPN)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
NOV.									
09...	--	--	--	16.5	7.7	--	--	--	--
FEB.									
10...	7.6	--	7180	--	--	40	--	98	137
10...	--	--	--	10.0	11.5	--	--	--	--
MAR.									
25...	6.1	--	--	--	--	--	--	--	--
25...	--	--	--	14.5	9.8	--	--	--	--
MAY									
06...	22	--	390	--	--	150	76	264	349
06...	--	--	--	23.5	5.7	--	--	--	--
JUNE									
17...	15	240	2500	--	--	40	26	97	123
17...	--	--	--	28.0	7.5	--	--	--	--
AUG.									
04...	7.1	--	--	28.5	5.5	40	30	90	120
04...	--	--	--	28.5	5.5	--	--	--	--
SEP.									
17...	--	--	--	24.0	6.4	--	--	--	--
17...	10	--	10100	--	5.7	30	44	69	113
17...	--	--	--	25.0	6.5	--	--	--	--

02473260 LEAF RIVER NEAR PALMER, MISS.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), DECEMBER 1970 TO SEPTEMBER 1971

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBURARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	---	---	100	65	90	85	65	55
2	---	---	---	---	---	---	70	70	90	85	65	35
3	---	---	---	---	---	---	70	70	95	90	35	35
4	---	---	---	---	---	---	70	70	130	95	40	35
5	---	---	---	---	---	---	70	65	130	90	40	40
6	---	---	---	---	---	---	65	55	90	75	50	40
7	---	---	---	---	---	---	55	55	75	70	50	50
8	---	---	---	---	---	---	55	55	70	70	95	50
9	---	---	---	---	100	90	55	55	70	70	105	80
10	---	---	---	---	100	80	55	55	70	70	130	75
11	---	---	---	---	80	80	55	55	70	63	150	75
12	---	---	---	---	80	65	55	55	72	69	155	70
13	---	---	---	---	290	60	80	55	100	65	155	65
14	---	---	---	---	105	80	80	80	80	70	135	60
15	---	---	---	---	85	65	80	80	68	68	100	60
16	---	---	---	---	65	60	80	80	68	68	100	60
17	---	---	---	---	90	60	80	80	68	68	120	55
18	---	---	---	---	70	70	85	80	100	68	125	70
19	---	---	---	---	80	70	80	70	110	100	100	60
20	---	---	---	---	75	75	75	70	100	95	90	45
21	---	---	---	---	420	90	85	75	95	65	50	45
22	---	---	---	---	420	105	85	85	75	50	45	45
23	---	---	---	---	120	95	85	85	50	50	45	45
24	---	---	---	---	90	90	85	85	50	50	55	45
25	---	---	---	---	90	90	95	85	50	50	240	55
26	---	---	---	---	90	90	98	95	50	50	240	80
27	---	---	---	---	90	90	98	80	95	50	150	65
28	---	---	---	---	90	90	85	80	85	55	100	55
29	---	---	---	---	90	70	85	80	---	---	103	55
30	---	---	---	---	70	65	85	80	---	---	130	100
31	---	---	---	---	65	65	90	85	---	---	170	65
MONTH	---	---	---	---	---	---	100	55	130	50	240	35

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	215	170	430	85	775	120	95	83	75	70	65	60
2	210	100	260	170	725	160	83	75	70	65	65	50
3	170	170	280	95	600	110	95	80	70	65	55	50
4	170	170	140	130	120	100	80	75	70	70	60	55
5	190	90	560	140	120	105	80	80	---	---	60	50
6	220	190	650	560	1000	105	95	80	---	---	60	52
7	300	100	680	340	1000	230	110	40	---	---	59	55
8	360	300	650	640	675	525	110	90	---	---	60	55
9	430	220	650	180	710	675	110	80	---	---	100	55
10	430	270	580	130	750	125	100	80	80	80	150	90
11	270	105	600	80	120	80	100	90	90	70	---	---
12	105	90	500	60	700	100	100	90	75	70	---	---
13	490	90	95	60	710	280	100	90	70	65	---	---
14	500	490	190	110	280	120	100	90	85	70	---	---
15	510	100	160	95	120	80	135	100	85	70	---	---
16	525	510	95	95	320	80	135	120	75	70	---	---
17	530	510	95	65	1050	110	140	115	90	70	---	---
18	530	230	280	65	1150	130	115	75	90	80	---	---
19	450	135	400	280	140	105	90	75	85	80	---	---
20	530	270	600	110	280	130	105	85	85	75	---	---
21	270	90	300	110	210	115	85	80	85	60	---	---
22	160	90	410	300	200	100	85	75	90	60	65	55
23	150	50	410	190	110	90	75	70	65	58	80	60
24	160	50	190	175	280	75	200	70	70	55	85	60
25	220	55	175	145	110	95	130	90	80	55	90	70
26	250	55	145	130	100	80	90	72	100	80	70	50
27	320	220	775	90	100	70	105	85	115	80	70	55
28	460	320	775	120	110	75	105	100	95	75	70	55
29	500	90	750	140	110	90	100	80	85	75	80	55
30	530	85	825	750	140	85	80	55	90	60	85	60
31	---	---	825	200	---	---	80	70	70	60	---	---
MONTH	530	50	825	60	1150	75	200	49	---	---	---	---

02473260 LEAF RIVER NEAR PALMER, MISS.--Continued

TEMPERATURE (°C) OF WATER, AUGUST 1971 TO SEPTEMBER 1971

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	---	---	---	---	---	---	29.0	28.0
2	---	---	---	---	---	---	---	---	---	---	28.0	26.5
3	---	---	---	---	---	---	---	---	---	---	29.0	26.5
4	---	---	---	---	---	---	---	---	---	---	28.5	26.5
5	---	---	---	---	---	---	---	---	---	---	27.5	26.5
6	---	---	---	---	---	---	---	---	---	---	27.0	26.0
7	---	---	---	---	---	---	---	---	---	---	28.0	26.0
8	---	---	---	---	---	---	---	---	---	---	28.0	26.5
9	---	---	---	---	---	---	---	---	---	---	28.0	26.0
10	---	---	---	---	---	---	---	---	29.0	27.5	28.0	27.0
11	---	---	---	---	---	---	---	---	29.5	27.5	28.0	27.0
12	---	---	---	---	---	---	---	---	29.5	26.5	29.0	27.0
13	---	---	---	---	---	---	---	---	29.5	27.5	29.0	26.5
14	---	---	---	---	---	---	---	---	30.0	27.5	29.0	26.0
15	---	---	---	---	---	---	---	---	30.5	28.0	29.0	26.5
16	---	---	---	---	---	---	---	---	30.5	28.0	26.0	24.0
17	---	---	---	---	---	---	---	---	30.5	28.0	24.5	24.0
18	---	---	---	---	---	---	---	---	30.5	28.0	24.0	23.0
19	---	---	---	---	---	---	---	---	30.5	28.5	24.0	23.0
20	---	---	---	---	---	---	---	---	29.5	27.5	24.0	23.0
21	---	---	---	---	---	---	---	---	29.5	28.0	24.0	23.0
22	---	---	---	---	---	---	---	---	29.5	27.0	24.5	23.5
23	---	---	---	---	---	---	---	---	29.5	27.5	25.5	24.5
24	---	---	---	---	---	---	---	---	29.0	27.5	26.0	25.5
25	---	---	---	---	---	---	---	---	30.0	27.0	26.5	26.0
26	---	---	---	---	---	---	---	---	30.0	28.0	26.5	26.0
27	---	---	---	---	---	---	---	---	30.0	28.0	26.0	26.0
28	---	---	---	---	---	---	---	---	30.5	27.5	26.0	26.0
29	---	---	---	---	---	---	---	---	30.0	27.5	26.5	26.0
30	---	---	---	---	---	---	---	---	29.5	27.0	26.5	26.5
31	---	---	---	---	---	---	---	---	29.5	27.0	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	29.0	23.0

02474500 TALLAHALA CREEK NEAR RUNNELSTOWN, MISS.

LOCATION.--Lat 31°19'57", long 089°06'46", in SE¼SE¼ sec.5, T.4 N., R.11 W., St. Stephens meridian, Perry County, at gaging station at bridge on county highway between Sunrise and Runnelstown, 3 miles south of Runnelstown, and 9 miles upstream from mouth.

DRAINAGE AREA.--612 sq mi.

WATER QUALITY DATA, NOVEMBER 1970 TO SEPTEMBER 1971

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC CONDU-UCTANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)
NOV.										
09...	135	--	--	160	--	--	6.7	--	--	--
DEC.										
04...	181	--	--	150	--	--	--	--	--	--
21...	200	--	--	85	--	--	5.9	--	--	--
JAN.										
19...	575	--	--	125	--	--	--	--	--	--
FEB.										
10...	2200	43	60	77	--	95	5.8	8	1.3	.330
MAR.										
25...	--	33	50	58	3.3	--	6.2	11	.84	--
25...	--	--	--	65	--	--	6.4	--	--	--
MAY										
06...	1070	39	15	44	--	57	6.2	15	1.1	.000
06...	1070	--	--	85	--	--	6.1	--	--	--
25...	556	--	--	--	--	--	--	--	--	--
JUNE										
17...	103	5	45	122	1.9	9	6.8	17	.80	.000
17...	103	--	--	175	--	--	6.1	--	--	--
JULY										
14...	150	--	--	220	--	--	--	--	--	--
AUG.										
04...	980	37	70	68	2.5	26	6.2	12	1.0	.010
04...	980	--	--	--	--	--	--	--	--	--
SEP.										
16...	115	42	50	122	1.8	18	6.9	28	1.3	.010
16...	115	--	--	160	--	--	5.4	--	--	--

DATE	NITRATE (NO3) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	PO-TAS-SIUM (K) (MG/L)
NOV.									
09...	--	--	--	--	--	--	--	--	--
DEC.									
04...	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--
JAN.									
19...	--	--	--	--	--	--	--	--	--
FEB.									
10...	.0	.19	22	18	4.0	--	--	--	--
MAR.									
25...	--	.02	17	12	5.0	11	.7	31	1.2
25...	--	--	--	--	--	--	--	--	--
MAY									
06...	.0	.01	22	19	3.0	13	.7	32	1.3
06...	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--
JUNE									
17...	.0	.04	26	21	5.0	26	1.3	43	1.5
17...	--	--	--	--	--	--	--	--	--
JULY									
14...	--	--	--	--	--	--	--	--	--
AUG.									
04...	.1	.22	19	12	7.0	14	.8	33	1.6
04...	--	--	--	--	--	--	--	--	--
SEP.									
16...	.8	.55	30	24	6.0	26	1.2	39	2.0
16...	--	--	--	--	--	--	--	--	--

02474500 **TALLAHALA CREEK NEAR RUNNELSTOWN, MISS.--Continued**

WATER QUALITY DATA, NOVEMBER 1970 TO SEPTEMBER 1971

DATE	SULFATE (SO4) (MG/L)	FECAL COLI-FORM (MPN)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
NOV.									
09...	--	--	--	14.5	6.2	--	--	--	--
DEC.									
04...	--	--	--	18.0	--	--	--	--	--
21...	--	--	--	12.0	70.0	--	--	--	--
JAN.									
19...	--	--	--	9.6	--	--	--	--	--
FEB.									
10...	4.7	--	--	--	--	167	--	203	260
MAR.									
25...	16	--	--	--	--	--	--	--	--
25...	--	--	--	14.5	10.5	--	--	--	--
MAY									
06...	58	--	500	--	--	93	54	63	117
06...	--	--	--	19.0	6.1	--	--	--	--
25...	--	--	--	24.0	--	--	--	--	--
JUNE									
17...	6.6	100	520	--	--	50	18	82	100
17...	--	--	--	28.0	7.7	--	--	--	--
JULY									
14...	--	--	--	29.0	--	--	--	--	--
AUG.									
04...	4.9	--	--	27.0	5.0	47	46	94	140
04...	--	--	--	27.0	5.0	--	--	--	--
SEP.									
16...	5.1	--	10400	23.0	6.6	67	72	95	167
16...	--	--	--	23.0	6.1	--	--	--	--

02474580 BOGUE HOMO NEAR LAUREL, MISS.

LOCATION.--Lat 34°42'20", in SW¼ sec.32, T.9 N., R.10 W., St. Stephens meridian, Jones County, at bridge on U. S. **Highway 84**, 0.7 mile east of Cleo, and 5.2 miles east of Laurel.

DRAINAGE AREA.--

WATER QUALITY DATA, FEBRUARY 1971 TO SEPTEMBER 1971

DATE	TURBIDITY (MG/L)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)
FEB.									
11...	15	40	330	2.0	15	6.4	11	.67	.010
11...	--	--	400	--	--	5.9	--	--	--
MAR.									
24...	--	--	40	--	--	5.2	--	--	--
APR.									
07...	10	25	190	.8	16	--	11	1.7	.003
07...	--	--	--	--	--	--	--	--	--
MAY									
20...	--	15	175	1.4	--	6.9	13	.21	--
20...	--	--	280	--	--	6.1	--	--	--
JULY									
07...	3	25	370	2.4	19	6.8	21	.73	.010
07...	--	--	400	--	--	6.8	--	--	--
AUG.									
17...	--	--	500	--	--	5.6	--	--	--
SEP.									
28...	--	--	520	--	--	5.7	--	--	--
29...	5	15	420	.7	10	6.5	10	.50	--

DATE	NITRATE (NO3) (MG/L)	PHOSPHATE (PO4) (MG/L)	HARDNESS (CA,MG) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	PERCENT SODIUM	POTASSIUM (K) (MG/L)
FEB.									
11...	.0	.01	60	46	14	--	--	--	--
11...	--	--	--	--	--	--	--	--	--
MAR.									
24...	--	--	--	--	--	--	--	--	--
APR.									
07...	.0	.00	34	31	3.0	33	1.5	44	1.3
07...	--	--	--	--	--	--	--	--	--
MAY									
20...	.0	.02	42	37	5.0	--	--	--	--
20...	--	--	--	--	--	--	--	--	--
JULY									
07...	.0	.02	70	52	18	51	1.6	35	1.6
07...	--	--	--	--	--	--	--	--	--
AUG.									
17...	--	--	--	--	--	--	--	--	--
SEP.									
28...	--	--	--	--	--	--	--	--	--
29...	--	.02	71	58	13	60	1.9	39	1.8

DATE	SULFATE (SO4) (MG/L)	FECAL COLIFORM (MPN)	IMMEDIATE COLIFORM (COL. PER 100 ML)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	LOSS ON IGNITION (MG/L)	SUSPENDED SOLIDS (MG/L)	TOTAL FILTRABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)
FEB.									
11...	7.5	--	3180	--	--	133	--	166	280
11...	--	--	--	7.0	11.9	--	--	--	--
MAR.									
24...	--	--	--	15.0	9.5	--	--	--	--
APR.									
07...	5.3	--	500	--	--	73	--	149	167
07...	--	--	--	15.0	8.7	--	--	--	--
MAY									
20...	3.6	290	--	--	--	83	18	179	197
20...	--	--	--	22.0	8.3	--	--	--	--
JULY									
07...	.3	100	1030	31.0	5.1	153	6	310	317
07...	--	--	--	31.0	5.6	--	--	--	--
AUG.									
17...	--	--	--	31.0	6.5	--	--	--	--
SEP.									
28...	--	--	--	30.0	6.8	--	--	--	--
29...	6.3	--	3410	30.0	7.2	197	8	349	357

02476600 OKATIBBEE CREEK AT ARUNDEL, MISS.

LOCATION.--Lat 32°17'55", long 088°45'15", sec.3, T.5 N., R.15 E., St. Stephens meridian, Lauderdale County, at bridge on county road. 0.6 mile southeast of Arundel.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
OCT.									
15...	--	--	--	120	--	--	6.2	--	--
NOV.									
03...	671	--	--	60	--	--	--	--	--
24...	157	--	--	110	--	--	6.6	--	--
DEC.									
15...	576	--	--	60	--	--	--	--	--
JAN.									
13...	508	--	--	65	--	--	5.9	--	--
FEB.									
03...	232	--	--	90	--	--	--	--	--
24...	1970	--	--	75	--	--	4.8	--	--
MAR.									
17...	1430	--	--	50	--	--	--	--	--
APR.									
08...	--	--	--	--	--	--	--	--	--
MAY									
19...	1180	--	--	70	--	--	5.5	--	--
JUNE									
09...	120	--	--	148	--	--	--	--	--
JULY									
07...	1300	35	30	190	9.4	36	6.7	49	2.2
07...	1300	--	--	200	--	--	6.4	--	--
28...	223	--	--	85	--	--	--	--	--
AUG.									
17...	160	--	--	--	14	--	5.4	39	1.6
17...	160	--	--	180	--	--	5.4	--	--
SEP.									
28...	482	85	25	64	4.5	21	6.6	17	.84
28...	482	--	--	80	--	--	5.4	--	--

DATE	PO-TAS-SIUM (K) (MG/L)	SULFATE (SO4) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
OCT.									
15...	--	--	--	20.0	5.9	--	--	--	--
NOV.									
03...	--	--	--	16.0	--	--	--	--	--
24...	--	--	--	7.5	9.5	--	--	--	--
DEC.									
15...	--	--	--	9.0	--	--	--	--	--
JAN.									
13...	--	--	--	10.0	9.8	--	--	--	--
FEB.									
03...	--	--	--	7.5	--	--	--	--	--
24...	--	--	--	13.0	8.7	--	--	--	--
MAR.									
17...	--	--	--	15.0	--	--	--	--	--
APR.									
08...	--	--	--	16.0	6.4	--	--	--	--
MAY									
19...	--	--	--	20.5	7.5	--	--	--	--
JUNE									
09...	--	--	--	25.0	--	--	--	--	--
JULY									
07...	4.8	18	--	--	--	87	44	153	197
07...	--	--	--	26.5	.1	--	--	--	--
28...	--	--	--	25.0	--	--	--	--	--
AUG.									
17...	3.4	17	--	27.5	1.7	--	--	--	--
17...	--	--	--	27.5	1.7	--	--	--	--
SEP.									
28...	2.2	5.6	55000	25.0	5.9	47	62	71	133
28...	--	--	--	25.0	6.0	--	--	--	--

02476600 OKATIBBEE CREEK AT ARUNDEL, MISS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	NITRITE (N) (MG/L)	NITRATE (NO3) (MG/L)	PHOS- PHATE (PO4) (MG/L)	HARD- NESS (CA,MG) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM AD- SORP- TION RATIO	PERCENT SODIUM
OCT.									
15...	--	--	--	--	--	--	--	--	--
NOV.									
03...	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--
DEC.									
15...	--	--	--	--	--	--	--	--	--
JAN.									
13...	--	--	--	--	--	--	--	--	--
FEB.									
03...	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--
MAR.									
17...	--	--	--	--	--	--	--	--	--
APR.									
08...	--	--	--	--	--	--	--	--	--
MAY									
19...	--	--	--	--	--	--	--	--	--
JUNE									
09...	--	--	--	--	--	--	--	--	--
JULY									
07...	.260	.0	3.0	39	24	15	29	1.1	33
07...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--
AUG.									
17...	--	--	--	--	--	--	21	--	--
17...	--	--	--	--	--	--	--	--	--
SEP.									
28...	--	--	.14	19	13	6.0	10	.6	27
28...	--	--	--	--	--	--	--	--	--

02477000 Chickasawhay River at Enterprise, Miss.

LOCATION.--Lat 32°10'30", long 88°49'15", in SE¼NW¼ sec.24, T.4 N., R.14 E., Choctaw meridian, Clarke County, on right bank at downstream side of bridge on State Highway 513 in Enterprise, 0.5 mile downstream from confluence of Chunky River and Okatibbee Creek, and at mile 158.2.

DRAINAGE AREA.--913 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1969 to September 1971.

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	68	68	---	---	49	49	73	68	36	36
2	---	---	68	65	---	---	53	49	68	68	36	36
3	---	---	67	65	---	---	55	49	68	68	36	36
4	---	---	67	67	---	---	55	49	72	68	36	32
5	---	---	67	67	---	---	67	55	70	64	33	32
6	---	---	67	67	---	---	53	45	64	57	37	32
7	---	---	67	67	---	---	55	53	60	57	40	37
8	---	---	67	67	---	---	56	56	63	60	38	38
9	---	---	67	65	---	---	54	54	63	63	38	38
10	---	---	90	68	---	---	54	54	63	63	40	39
11	---	---	95	88	---	---	60	56	65	63	40	39
12	---	---	93	90	---	---	63	60	70	65	41	39
13	---	---	95	85	---	---	70	63	70	70	41	41
14	---	---	105	75	---	---	65	63	70	68	41	36
15	---	---	80	80	---	---	65	50	68	67	39	36
16	---	---	85	80	---	---	52	50	68	67	41	39
17	---	---	85	80	---	---	54	52	76	68	41	40
18	---	---	83	80	69	69	55	53	82	76	40	40
19	---	---	83	83	70	68	58	55	82	74	40	37
20	---	---	95	80	77	70	56	55	73	70	38	38
21	---	---	100	95	80	77	63	55	73	40	38	38
22	---	---	100	93	85	77	68	63	44	39	38	38
23	---	---	105	100	83	75	68	68	39	38	39	38
24	---	---	---	---	75	68	73	64	42	39	39	39
25	---	---	---	---	68	61	66	64	45	42	39	36
26	---	---	---	---	64	61	65	65	45	45	37	35
27	---	---	---	---	65	64	67	65	45	36	36	34
28	67	64	---	---	66	75	67	65	36	36	37	36
29	72	67	---	---	77	55	68	65	---	---	40	37
30	75	72	---	---	55	33	75	68	---	---	41	40
31	72	60	---	---	55	49	75	73	---	---	42	41
MONTH	---	---	---	---	---	---	75	40	82	36	42	32

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	43	41	---	---	44	42	37	34	38	30	---	---
2	44	43	---	---	46	44	40	37	44	38	---	---
3	44	44	---	---	50	46	33	38	50	44	---	---
4	46	44	---	---	50	50	44	40	46	38	---	---
5	48	46	---	---	51	50	47	44	45	38	---	---
6	49	48	---	---	54	51	49	47	46	36	---	---
7	53	49	---	---	54	44	49	48	46	40	---	---
8	57	53	---	---	46	41	49	49	48	46	---	---
9	60	57	---	---	44	40	57	49	48	48	---	---
10	64	60	---	---	---	---	60	57	48	46	---	---
11	65	63	---	---	---	---	67	60	50	48	---	---
12	63	60	---	---	---	---	65	65	65	50	---	---
13	60	57	---	---	---	---	67	65	70	52	---	---
14	57	55	---	---	---	---	69	67	55	32	---	---
15	55	55	---	---	---	---	75	67	60	55	---	---
16	55	55	---	---	---	---	75	65	60	50	---	---
17	55	55	---	---	---	---	65	50	72	50	---	---
18	55	50	---	---	---	---	50	48	67	54	---	---
19	50	50	46	44	---	---	57	50	65	60	---	---
20	50	48	38	38	---	---	60	57	68	60	---	---
21	48	44	40	36	---	---	67	60	70	68	---	---
22	57	45	37	36	---	---	70	67	70	68	---	---
23	57	48	37	36	---	---	72	70	72	48	---	---
24	55	48	36	36	---	---	72	67	80	65	---	---
25	57	49	38	36	50	44	67	63	80	80	---	---
26	57	57	38	38	48	42	65	63	80	80	---	---
27	---	---	40	38	42	39	63	38	80	80	---	---
28	---	---	45	40	44	40	58	35	80	80	---	---
29	---	---	45	43	43	32	55	38	80	80	---	---
30	---	---	44	42	36	32	42	38	80	80	63	63
31	---	---	44	42	---	---	40	36	80	80	---	---
MONTH	---	---	---	---	---	---	75	34	80	30	---	---

02479000 PASCAGOULA RIVER AT MERRILL, MISS.
(International Hydrological Decade River Station)

LOCATION.--Lat 30°58'40", long 88°43'35", in SW¼ sec.18, T.1 S., R.7 W., St. Stephens meridian, George County, near right bank at downstream side of bridge on highway between Merrill and Avent, 0.5 mile downstream from confluence of Leaf and Chickasawhay Rivers, 0.5 mile west of Merrill, and t mile 80.8.

DRAINAGE AREA.--6,600 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: April 1970 to September 1971.
Water temperatures: April 1970 to September 1970.

EXTREMES.--1970-71: Specific conductance maximum daily 570 micromhos June 9, 1971; minimum daily, 60 micromhos May 13, 14, 1971.
Water temperatures: maximum, 30°C. on Aug. 14, 15, 1971; minim, 9.5° C. on Feb. 11-16, 1971.

SPECIFIC CONDUCTANCE (MICROMHOS AT 25° C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	120	110	112	112	135	130	---	---	110	110	78	70
2	120	110	115	112	130	130	---	---	110	110	70	68
3	125	110	115	112	130	130	---	---	110	110	---	---
4	120	110	115	112	130	130	---	---	110	110	---	---
5	120	110	115	115	135	130	---	---	110	110	---	---
6	120	105	115	115	140	130	---	---	110	110	---	---
7	105	100	115	115	140	140	---	---	112	110	---	---
8	100	85	115	115	140	140	---	---	---	---	---	---
9	105	85	115	115	145	140	---	---	---	---	---	---
10	95	90	115	115	155	145	---	---	80	80	---	---
11	110	95	115	115	160	155	---	---	90	80	---	---
12	110	100	115	100	160	160	---	---	95	90	95	85
13	130	95	100	100	160	160	95	90	98	95	100	85
14	95	75	100	100	160	160	100	95	98	98	120	95
15	90	65	100	100	---	---	108	100	98	98	125	90
16	90	70	100	100	---	---	108	102	98	98	90	---
17	80	70	100	100	---	---	108	102	98	98	---	---
18	95	80	100	100	---	---	112	108	98	98	---	---
19	95	90	100	100	---	---	110	102	98	98	---	---
20	90	65	100	100	---	---	102	100	98	98	---	---
21	150	90	100	100	---	---	100	100	98	90	---	---
22	200	95	130	100	120	100	102	100	---	---	---	---
23	145	95	125	120	260	120	105	102	---	---	---	---
24	100	95	120	120	260	155	105	90	---	---	---	---
25	100	100	120	120	160	150	100	90	70	70	---	---
26	220	100	120	120	150	150	105	100	70	68	---	---
27	115	110	120	118	150	140	115	105	70	70	---	---
28	110	105	150	118	140	85	115	115	75	70	---	---
29	110	110	145	130	---	---	115	115	---	---	---	---
30	110	110	130	130	---	---	115	110	---	---	---	---
31	112	110	---	---	---	---	110	110	---	---	---	---
Month	220	65	150	100	---	---	---	---	---	---	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	310	280	400	160	160	140	---	---	340	300
2	---	---	350	130	420	280	155	140	---	---	300	240
3	---	---	300	200	350	180	130	120	---	---	250	210
4	---	---	220	170	360	150	130	130	120	115	210	190
5	---	---	200	115	380	175	140	130	120	118	200	190
6	---	---	120	115	220	140	140	130	125	120	210	185
7	---	---	230	120	140	140	140	140	130	95	185	175
8	---	---	260	230	420	130	145	140	120	100	180	175
9	---	---	340	260	570	260	170	145	125	115	175	165
10	---	---	380	280	380	320	180	170	125	110	170	155
11	---	---	380	180	420	340	190	170	140	125	165	135
12	---	---	180	140	450	285	170	150	150	130	150	135
13	---	---	350	60	285	140	175	150	135	130	145	130
14	140	110	220	60	260	135	175	160	135	125	145	140
15	270	110	180	70	430	260	180	140	130	120	140	135
16	300	270	155	115	420	220	165	160	130	120	140	135
17	300	130	115	110	230	165	160	150	135	130	135	110
18	340	170	120	95	165	130	160	135	130	130	110	110
19	340	300	100	95	165	140	135	120	140	130	110	100
20	360	310	160	105	310	165	120	120	140	138	125	100
21	310	150	150	110	400	160	125	120	145	140	135	125
22	370	180	110	95	180	130	120	120	145	130	135	125
23	330	130	230	110	210	130	120	120	130	110	125	120
24	150	80	260	230	205	125	---	---	125	115	130	125
25	130	90	230	140	210	160	---	---	130	110	125	110
26	180	90	150	140	260	170	---	---	120	105	130	110
27	170	95	145	130	300	220	---	---	---	---	140	130
28	190	90	130	120	220	170	---	---	---	---	135	100
29	220	190	120	160	220	190	---	---	---	---	125	120
30	280	220	280	170	200	135	---	---	---	---	125	110
31	---	---	170	---	---	---	---	---	---	---	---	---
Month	---	---	380	60	570	125	---	---	---	---	340	100

02479000 PASCAGOULA RIVER AT MERRILL, MISS.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	25.0	23.5	18.0	17.5	16.0	15.0	12.5	12.0	13.5	12.0	14.5	14.5
2	26.0	24.0	18.0	17.5	16.5	16.0	12.0	11.5	12.0	11.0	15.5	14.5
3	25.5	24.5	17.5	17.0	17.0	16.5	11.0	11.0	11.0	11.0	16.0	15.0
4	25.0	24.0	17.0	16.0	17.0	17.0	12.0	11.0	13.0	11.0	15.5	14.5
5	24.5	23.5	16.0	15.0	17.0	16.0	12.5	12.0	14.0	13.0	14.5	14.0
6	24.0	23.5	15.0	14.5	16.0	15.0	12.0	11.5	14.0	13.0	14.0	13.5
7	24.5	24.5	15.5	14.5	15.0	14.0	11.5	10.5	13.0	12.5	13.5	13.0
8	25.0	24.5	16.0	15.0	15.0	14.0	11.5		12.5	12.0	13.0	12.5
9	24.0	23.0	16.5	16.0	15.0	14.0	10.5	10.0	12.0	11.0	12.5	12.0
10	23.5	23.0	16.5	16.0	14.5	14.0	10.0	10.0	11.0	10.0	13.0	12.5
11	24.0	23.0	16.0	15.5	16.0	14.0	10.0	10.0	10.0	9.5	13.0	12.5
12	24.0	23.5	16.0	15.0	16.5	15.5	11.0	10.0	9.5	9.5	13.5	13.0
13	24.0	23.0	15.5	15.0	15.5	14.5	12.0	11.0	10.0	9.5	14.0	13.5
14	23.0	23.0	15.5	15.5	14.5	13.0	13.5	12.0	10.0	9.5	15.0	14.0
15	23.0	22.5	15.5	14.5	13.0	13.0	14.5	13.5	9.5	9.5	16.0	15.0
16	---	---	14.0	13.5	13.0	12.5	14.5	14.0	10.5	9.5	16.5	16.0
17	---	---	13.5	13.0	12.5	12.5	14.0	13.0	11.0	10.5	16.5	16.0
18	---	---	14.0	13.5	12.5	12.0	13.0	13.0	12.0	11.0	16.5	16.0
19	---	---	15.0	14.0	12.5	12.0	13.0	12.0	13.0	12.0	16.0	15.5
20	---	---	15.5	15.0	13.0	12.5	12.0	11.0	14.5	13.0	15.5	14.5
21	---	---	15.0	14.5	14.0	13.0	11.0	10.5	15.5	14.5	15.0	14.0
22	---	---	15.0	14.0	15.0	14.0	11.5	10.5	16.0	15.5	14.0	13.5
23	17.5	17.5	14.5	13.5	15.5	15.0	12.5	11.5	15.5	15.0	14.0	14.0
24	18.0	17.5	13.5	12.0	16.0	15.5	13.0	12.5	15.0	15.0	14.5	14.0
25	18.5	18.0	12.0	11.5	15.5	14.0	13.5	13.0	15.0	14.0	15.5	15.0
26	19.0	18.5	12.5	11.5	14.0	13.0	14.0	13.5	14.5	14.0	15.5	15.0
27	19.0	18.5	13.5	12.5	13.0	12.0	14.0	13.5	14.5	14.0	15.0	14.5
28	19.0	19.0	15.0	14.0	12.0	12.0	13.5	13.0	14.5	14.5	15.0	14.5
29	19.0	19.0	15.5	15.0	13.0	12.0	13.0	12.5	---	---	14.0	13.5
30	18.5	19.0	15.5	15.0	13.5	13.0	13.0	12.5	---	---	14.5	14.0
31	18.0	17.5	---	---	13.0	12.0	13.5	13.0	---	---	15.0	14.5
MONTH	---	---	18.0	11.5	17.0	12.0	14.5	10.0	16.0	9.5	16.5	12.0

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	15.0	14.5	19.5	19.0	23.0	21.5	26.5	25.0	26.5	26.0	28.0	26.0
2	15.0	14.5	20.0	19.0	23.5	22.0	25.5	25.0	26.5	26.0	26.5	25.5
3	15.0	15.0	19.0	18.0	24.0	22.5	25.0	24.0	27.0	26.0	26.0	25.5
4	15.0	14.5	18.5	18.0	25.0	23.0	25.0	24.0	27.5	27.5	26.0	26.0
5	15.0	14.5	18.0	17.5	26.0	24.5	25.5	24.5	28.5	27.5	25.5	25.0
6	15.0	14.5	19.0	18.0	26.0	25.0	25.5	25.0	29.0	28.0	25.0	25.0
7	14.5	14.0	19.5	18.0	26.0	24.5	25.5	25.0	29.0	28.0	26.0	25.0
8	14.5	14.0	20.0	19.5	26.0	25.0	26.5	24.5	29.0	28.5	26.0	25.5
9	15.0	14.5	20.0	19.5	26.0	25.0	26.5	25.0	29.0	28.5	26.0	26.0
10	16.0	15.0	21.0	20.0	26.0	25.0	27.0	25.5	29.0	28.5	26.0	25.5
11	17.0	16.0	21.5	20.5	27.5	26.0	27.5	25.5	28.5	28.0	26.0	26.0
12	17.5	16.5	21.5	20.5	28.0	26.5	27.5	26.0	29.0	28.0	26.5	25.5
13	18.0	17.5	20.5	18.5	28.5	27.0	27.5	26.0	29.5	27.5	27.0	26.0
14	18.5	18.0	18.5	18.0	29.0	27.0	27.5	26.0	30.0	28.5	27.0	26.0
15	18.5	18.0	18.0	17.5	30.0	28.5	27.0	26.0	30.0	29.0	26.0	25.0
16	19.0	18.0	18.0	17.5	29.5	29.0	28.0	26.5	29.5	28.5	25.0	24.0
17	19.0	18.5	18.0	17.5	29.0	28.0	27.0	26.0	29.5	28.5	24.0	23.5
18	19.0	19.0	18.0	17.5	28.5	27.5	27.0	25.5	28.0	28.5	24.5	23.5
19	20.0	18.5	18.5	18.0	28.5	27.5	28.0	27.0	29.5	28.0	25.0	24.0
20	20.0	19.5	18.5	18.5	27.5	26.5	28.0	26.5	28.5	28.0	25.0	24.0
21	20.0	19.5	19.0	18.5	27.0	26.0	27.5	27.0	28.0	27.5	24.5	24.5
22	19.5	19.5	19.5	18.5	26.0	25.5	28.0	26.5	28.0	27.0	24.5	24.5
23	20.0	19.5	20.5	19.5	27.0	25.0	28.5	28.0	28.0	27.0	25.0	24.5
24	20.0	19.5	21.0	20.0	26.0	24.5	28.0	27.5	28.0	27.0	26.0	25.0
25	19.5	18.5	22.0	21.0	27.0	25.0	29.0	28.5	28.5	27.0	26.5	25.5
26	19.5	19.0	22.5	21.5	26.5	25.5	29.0	28.0	28.0	27.0	26.0	26.0
27	19.5	19.0	23.0	22.0	26.5	25.0	29.0	28.0	28.5	27.5	26.0	25.5
28	20.0	19.5	22.5	22.0	26.0	25.0	29.0	28.0	29.0	27.5	26.5	25.5
29	20.5	20.0	22.0	21.5	26.0	25.0	29.0	27.5	28.0	27.5	26.5	25.5
30	20.0	19.5	22.0	21.0	26.0	25.0	28.0	27.0	28.0	27.0	26.5	25.5
31	---	---	22.0	21.0	---	---	27.0	26.0	27.0	26.5	---	---
MONTH	20.5	14.0	23.0	17.5	30.0	21.5	29.0	24.0	30.0	26.0	28.0	23.5
YEAR	30.0											

02479020 PASCAGOULA RIVER NEAR BENNDALE, MISS.

LOCATION.--Lat 30°52'45", long 088°46'22", on line between sec.15 and 22, T.2 S., R.8 W., St. Stephens meridian, George County, at bridge on State Highway 26, 0.4 mile upstream from Bates Creek, 2.1 miles east of Benndale, and 11.7 miles southwest of Lucedale.

DRAINAGE AREA.--6,690 sq mi, approximately.

WATER QUALITY DATA, NOVEMBER 1970 TO SEPTEMBER 1971

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC CONDU-UCTANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)
NOV.										
10...	2200	--	--	125	--	--	6.1	--	--	--
DEC.										
22...	7850	--	--	95	--	--	6.1	--	--	--
FEB.										
10...	--	55	50	52	7.0	29	6.3	8	1.0	.030
MAR.										
25...	30000	35	40	60	3.0	--	6.0	8	.78	--
MAY										
06...	15000	82	10	50	6.0	11	6.3	11	.84	.010
JUNE										
17...	3200	5	65	144	2.7	21	6.8	28	1.8	.010
AUG.										
04...	--	50	50	115	2.0	21	6.3	8	.84	.010
SEP.										
16...	2700	15	25	115	1.2	11	6.7	14	.50	.010
16...	2700	--	--	120	--	--	5.2	--	--	--

DATE	NITRATE (NO3) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	PO-TAS-SIUM (K) (MG/L)
NOV.									
10...	--	--	--	--	--	--	--	--	--
DEC.									
22...	--	--	--	--	--	--	--	--	--
FEB.									
10...	.0	.04	15	10	5.0	--	--	--	--
MAR.									
25...	--	.00	20	11	9.0	12	.7	28	1.0
MAY									
06...	.0	.01	--	17	23	14	.1	0	1.5
JUNE									
17...	.0	.55	38	20	18	32	1.3	35	2.1
AUG.									
04...	.1	.12	18	11	7.0	14	.8	34	1.6
SEP.									
16...	.2	.10	25	21	4.0	23	1.2	42	1.2
16...	--	--	--	--	--	--	--	--	--

DATE	SULFATE (SO4) (MG/L)	FECAL COLI-FORM (MPN)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
NOV.									
10...	--	--	--	15.5	8.9	--	--	--	--
DEC.									
22...	--	--	--	14.5	7.9	--	--	--	--
FEB.									
10...	17	--	7840	--	--	60	--	90	162
MAR.									
25...	6.1	--	--	--	--	--	--	--	--
MAY									
06...	33	--	100	--	--	57	82	35	117
JUNE									
17...	12	2400	9400	--	--	63	18	122	140
AUG.									
04...	3.3	--	--	27.0	5.5	37	70	80	150
SEP.									
16...	4.3	--	2100	25.0	6.4	53	20	90	110
16...	--	--	--	25.0	6.5	--	--	--	--

02479155 CYPRESS CREEK NEAR JANICE, MISS.

(Hydrologic bench-mark and pesticide station)

LOCATION.--Lat 31°01'30", long 089°01'00", in NW¼NE¼ sec.29, T.1 N., R.10 W., St. Stephens meridian, Perry County, at gaging station at bridge on State Highway 29 bridge, 1.2 miles east of Janice.

DRAINAGE AREA.--52.2 sq mi.

PERIOD OF RECORD.--Chemical analyses: December 1966 to September 1971.

WATER QUALITY DATA, OCTOBER 1970 TO JULY 1971

DATE	DISCHARGE (CFS)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)
OCT.								
20...	684	--	25	--	--	--	--	--
DEC.								
02...	21	--	45	--	--	--	--	--
02...	18	25	26	.0	7.0	4	3	1.1
JAN.								
20...	49	--	22	--	--	--	--	--
FEB.								
25...	83	40	22	--	5.6	3	3	1.0
APR.								
13...	39	--	40	--	--	--	--	--
MAY								
26...	35	--	40	--	--	--	--	--
JULY								
14...	9.5	--	33	--	--	--	--	--

DATE	DISSOLVED MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	PERCENT SODIUM	POTASSIUM (K) (MG/L)	SULFATE (SO4) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)
OCT.									
20...	--	--	--	--	--	--	--	--	--
DEC.									
02...	--	--	--	--	--	--	--	--	--
02...	.1	2.7	.7	58	.8	.2	32	1.56	.04
JAN.									
20...	--	--	--	--	--	--	--	--	--
FEB.									
25...	.1	1.8	.5	53	.4	.0	35	7.84	.05
APR.									
13...	--	--	--	--	--	--	--	--	--
MAY									
26...	--	--	--	--	--	--	--	--	--
JULY									
14...	--	--	--	--	--	--	--	--	

DATE	TEMPERATURE (DEG C)	CHLORIDE (CL) (MG/L)	SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
OCT.								
20...	18.5	--	--	--	--	--	--	--
DEC.								
02...	15.0	--	--	--	--	--	--	--
02...	16.0	3.2	13	130	5	.0	1.7	25
JAN.								
20...	6.0	--	--	--	--	--	--	--
FEB.								
25...	10.0	3.0	8.8	60	4	.1	.2	17
APR.								
13...	15.0	--	--	--	--	--	--	--
MAY								
26...	21.0	--	--	--	--	--	--	--
JULY								
14...	28.0	--	--	--	--	--	--	--

02479170 BLACK CREEK NEAR BENNDALE, MISS.

LOCATION.--Lat 30°46'50", long 088°45'40", in SW¼ sec.14, T.3 S., R.8 W., St. Stephens meridian, George County, at bridge on State Highway 57, 0.7 mile north of Broome School, and 7.6 miles south of Benndale.

DRAINAGE AREA.--760 sq mi, approximately.

WATER QUALITY DATA, NOVEMBER 1970 TO SEPTEMBER 1971

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)
NOV. 10...	--	--	--	60	--	--	5.4	--	--	--
DEC. 22...	--	--	--	32	--	--	5.4	--	--	--
FEB. 10...	--	20	50	20	1.8	12	5.4	2	.84	.010
MAR. 25...	--	20	30	24	.5	--	5.8	6	.62	--
25...	--	--	--	40	--	--	5.4	--	--	--
MAY 06...	--	25	10	21	7.1	8	6.1	5	.84	.000
06...	--	--	--	60	--	--	4.9	--	--	--
JUNE 17...	--	3	45	26	1.0	7	6.3	5	.60	--
17...	--	--	--	40	--	--	5.1	--	--	--
AUG. 04...	--	5	50	27	.7	21	5.4	3	.56	.000
04...	--	--	--	--	--	--	--	--	--	--
SEP. 16...	1660	20	40	27	1.1	14	5.9	4	.50	.010
16...	1660	--	--	45	--	--	4.4	--	--	--
17...	--	--	--	30	--	--	5.7	--	--	--

DATE	NITRATE (NO3) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	PO-TAS-SIUM (K) (MG/L)
NOV. 10...	--	--	--	--	--	--	--	--	--
DEC. 22...	--	--	--	--	--	--	--	--	--
FEB. 10...	.0	.05	7	2.0	5.0	--	--	--	--
MAR. 25...	--	.00	6	4.0	2.0	6.2	.6	42	.6
25...	--	--	--	--	--	--	--	--	--
MAY 06...	.0	.01	18	3.0	15	8.3	.4	20	.8
06...	--	--	--	--	--	--	--	--	--
JUNE 17...	.0	.01	8	5.0	3.0	8.5	.7	42	.8
17...	--	--	--	--	--	--	--	--	--
AUG. 04...	.0	--	5	2.0	3.0	5.0	.5	37	.7
04...	--	--	--	--	--	--	--	--	--
SEP. 16...	.0	.02	7	4.0	3.0	6.3	.6	37	.6
16...	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--

DATE	SULFATE (SO4) (MG/L)	FECAL COLI-FORM (MPN)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
NOV. 10...	--	--	--	15.5	9.6	--	--	--	--
DEC. 22...	--	--	--	15.0	8.0	--	--	--	--
FEB. 10...	3.6	--	4900	--	--	47	--	79	90
MAR. 25...	6.9	--	--	--	--	--	--	--	--
25...	--	--	--	15.0	9.8	--	--	--	--
MAY 06...	31	--	7	--	--	63	20	50	70
06...	--	--	--	23.0	7.9	--	--	--	--
JUNE 17...	5.8	0	900	--	--	17	11	32	43
17...	--	--	--	28.5	7.3	--	--	--	--
AUG. 04...	.9	--	--	25.5	6.5	23	24	49	73
04...	--	--	--	25.5	6.5	--	--	--	--
SEP. 16...	2.1	--	1190	23.0	7.6	23	36	37	73
16...	--	--	--	23.0	7.3	--	--	--	--
17...	--	--	--	23.0	7.5	--	--	--	--

02480207 ESCATAWPA RIVER AT MOSS POINT, MISS.

LOCATION.--Lat 30°25'35", long 088°32'40", in sec.24, T.7 S., R.6 W., St. Stephens meridian, Jackson County, at bridge on State Highway 63, in Moss Point.

DRAINAGE AREA.--

WATER QUALITY DATA, FEBRUARY 1971 TO SEPTEMBER 1971

DATE	TUR-BID-ITY (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)
FEB.									
10...	--	--	--	--	--	--	--	--	--
10...	15	55	185	3.7	22	5.9	3	.73	.010
MAR.									
25...	15	50	10	3.3	--	5.7	4	.78	--
25...	--	--	--	--	--	--	--	--	--
MAY									
06...	87	10	2400	8.4	47	5.3	10	1.1	.000
06...	--	--	--	--	--	--	--	--	--
JUNE									
17...	10	50	5800	4.0	51	6.3	20	1.5	.000
17...	--	--	--	--	--	--	--	--	--
AUG.									
04...	5	80	280	3.2	29	5.2	2	.73	.000
04...	--	--	--	--	--	5.5	--	--	--
SEP.									
16...	15	100	1950	4.4	37	5.9	9	.70	.010
16...	--	--	--	--	--	--	--	--	--

DATE	NITRATE (NO3) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	PO-TAS-SIUM (K) (MG/L)
FEB.									
10...	--	--	--	--	--	--	--	--	--
10...	.0	.05	26	11	15	--	--	--	--
MAR.									
25...	--	.05	14	12	2.0	26	1.8	59	.8
25...	--	--	--	--	--	--	--	--	--
MAY									
06...	.0	.03	347	68	279	806	9.7	57	22
06...	--	--	--	--	--	--	--	--	--
JUNE									
17...	.0	.04	730	150	580	1440	12	53	40
17...	--	--	--	--	--	--	--	--	--
AUG.									
04...	.0	.04	32	8.0	24	48	1.9	46	2.1
04...	--	--	--	--	--	--	--	--	--
SEP.									
16...	.0	.06	220	64	42	420	10	72	12
16...	--	--	--	--	--	--	--	--	--

DATE	SULFATE (SO4) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
FEB.								
10...	--	--	10.0	9.8	--	--	--	--
10...	11	62800	--	--	103	--	169	177
MAR.								
25...	21	--	--	--	--	--	--	--
25...	--	--	16.0	4.2	--	--	--	--
MAY								
06...	127	500	--	--	640	22	2060	2080
06...	--	--	24.0	4.3	--	--	--	--
JUNE								
17...	279	42000	--	--	1180	38	4460	4500
17...	--	--	29.0	4.8	--	--	--	--
AUG.								
04...	14	--	25.5	2.0	67	14	93	207
04...	--	--	--	2.0	--	--	--	--
SEP.								
16...	84	81000	24.0	1.0	787	14	1470	1480
16...	--	--	24.0	4.2	--	--	--	--

02482550 PEARL RIVER NEAR CARTHAGE, MISS.

LOCATION.--Lat 32°42'25", long 089°31'35", in NE¼NE¼ sec.24, T.10 N., R.7 E., Choctaw meridian, Leake County, at gaging station at bridge on State Highway 35, 2.1 miles south of Carthage, 4.0 miles downstream from Lobutcha Creek, and 10.8 miles upstream from Tuscolameta Creek.

DRAINAGE AREA.--1,347 sq mi.

WATER QUALITY DATA, FEBRUARY 1971 TO SEPTEMBER 1971

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)
FEB.										
10...	2000	20	50	42	1.5	15	6.0	5	.73	1.0
10...	--	--	--	60	--	--	5.8	--	--	--
APR.										
06...	--	10	30	34	1.1	14	6.1	7	.70	.002
06...	--	--	--	60	--	--	6.6	--	--	--
MAY										
19...	10100	--	20	21	1.5	--	6.2	7	--	.490
19...	10100	--	--	50	--	--	--	--	--	--
JULY										
06...	1280	40	35	45	1.5	13	6.3	10	.70	.070
06...	1280	--	--	45	--	--	6.8	--	--	--
AUG.										
17...	563	--	--	--	1.5	--	5.9	15	.90	--
17...	563	--	--	83	--	--	5.9	--	--	--
SEP.										
28...	480	10	40	42	1.2	14	6.3	12	.67	--
28...	480	--	--	85	--	--	4.9	--	--	--

DATE	NITRATE (NO3) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	PO-TAS-SIUM (K) (MG/L)
FEB.									
10...	.0	.09	9	5.0	4.0	--	--	--	--
10...	--	--	--	--	--	--	--	--	--
APR.									
06...	.0	.00	12	7.0	5.0	7.5	.5	29	1.3
06...	--	--	--	--	--	--	--	--	--
MAY									
19...	.0	.02	24	14	10	--	--	--	--
19...	--	--	--	--	--	--	--	--	--
JULY									
06...	.1	.04	10	8.0	2.0	5.8	.5	30	1.4
06...	--	--	--	--	--	--	--	--	--
AUG.									
17...	--	--	--	--	--	8.0	--	--	1.4
17...	--	--	--	--	--	--	--	--	--
SEP.									
28...	--	.03	12	9.0	3.0	7.8	.6	31	1.7
28...	--	--	--	--	--	--	--	--	--

DATE	SULFATE (SO4) (MG/L)	FECAL COLI-FORM (MPN)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
FEB.									
10...	16	--	4600	--	--	46	--	62	100
10...	--	--	--	7.0	11.4	--	--	--	--
APR.									
06...	1.6	--	480	--	--	54	--	63	77
06...	--	--	--	13.5	10.3	--	--	--	--
MAY									
19...	14	90	--	--	6.3	47	20	50	70
19...	--	--	--	19.8	6.3	--	--	--	--
JULY									
06...	6.6	140	2800	26.5	8.1	43	46	61	107
06...	--	--	--	26.5	8.1	--	--	--	--
AUG.									
17...	3.6	--	--	25.0	6.7	--	--	--	--
17...	--	--	--	25.0	6.7	--	--	--	--
SEP.									
28...	3.3	--	1980	24.5	6.0	33	28	42	70
28...	--	--	--	24.5	6.3	--	--	--	--

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MISS.

LOCATION.--Lat 32°42'20", long 089°40'20", in NE¼NE¼ sec.22, T.10 N., R.6 E., Choctaw meridian, Leake County, at gaging station at bridge on State Highway 16, 1.5 miles east of Ofahoma, 3 miles upstream from mouth, and 8.5 miles southwest of Carthage

DRAINAGE AREA.--484 sq mi.

PERIOD OF RECORD.--Chemical analyses: November 1969 to September 1971.

WATER QUALITY DATA, FEBRUARY 1971 TO MAY 1971

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)
FEB.										
10...	1100	20	40	37	1.4	15	6.1	6	.84	.010
10...	1100	--	--	70	--	--	5.7	--	--	--
APR.										
06...	1100	10	25	34	2.1	14	6.2	6	.60	--
06...	1100	--	--	40	--	--	6.4	--	--	--
MAY										
19...	2700	--	20	21	1.0	--	6.2	8	--	--
19...	2700	--	--	41	--	--	--	--	--	--

DATE	NITRATE (NO3) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	PO-TAS-SIUM (K) (MG/L)
FEB.									
10...	.0	.13	13	7.0	6.0	--	--	--	--
10...	--	--	--	--	--	--	--	--	--
APR.									
06...	.0	.00	10	8.0	2.0	7.5	.6	36	1.0
06...	--	--	--	--	--	--	--	--	--
MAY									
19...	.0	.02	11	6.0	5.0	--	--	--	--
19...	--	--	--	--	--	--	--	--	--

DATE	SULFATE (SO4) (MG/L)	FECAL COLI-FORM (MPN)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
FEB.									
10...	24	--	1480	--	--	33	--	77	157
10...	--	--	--	7.0	12.2	--	--	--	--
APR.									
06...	4.0	--	400	--	--	37	--	108	120
06...	--	--	--	12.5	10.4	--	--	--	--
MAY									
19...	30	90	--	--	--	33	28	35	63
19...	--	--	--	19.2	7.0	--	--	--	--

02486450 PEARL RIVER ABOVE BYRAM, MISS.

LOCATION.--Lat 32°10'30", long 090°12'00", in sec.19, T.4 N., R.1 E., Choctaw meridian, Rankin County, 0.5 mile upstream from bridge on county road, and 0.7 mile southeast of Byram.

DRAINAGE AREA.--3,430 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: October 1969 to September 1971.
Water temperatures: October 1969 to September 1971.

SPECIFIC CONDUCTANCE (MICROMHOS AT 25° C), MAY 1971 TO SEPTEMBER 1971

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	120	110	150	95	70	70	170	155
2	---	---	---	---	120	120	135	105	70	70	170	155
3	---	---	---	---	120	120	---	---	70	70	175	155
4	---	---	---	---	---	---	---	---	70	60	170	130
5	---	---	---	---	---	---	---	---	70	70	120	115
6	---	---	---	---	---	---	---	---	75	70	115	105
7	---	---	---	---	---	---	75	70	80	70	120	105
8	---	---	---	---	---	---	75	70	80	75	115	105
9	---	---	---	---	---	---	75	75	80	75	115	115
10	---	---	---	---	---	---	85	75	85	80	115	115
11	---	---	---	---	240	135	85	75	90	75	120	115
12	---	---	---	---	160	140	---	---	85	75	120	115
13	---	---	---	---	150	140	110	85	80	75	115	105
14	---	---	---	---	140	135	130	110	80	75	120	105
15	---	---	---	---	160	135	125	110	80	75	110	100
16	---	---	---	---	150	135	120	105	80	75	90	75
17	---	---	---	---	150	135	145	95	120	80	105	65
18	---	---	---	---	160	135	120	100	150	120	75	65
19	---	---	---	---	165	150	100	90	155	135	65	65
20	---	---	---	---	160	135	100	90	155	145	65	65
21	---	---	---	---	170	110	100	80	160	140	---	---
22	---	---	---	---	175	140	80	75	150	135	85	65
23	---	---	---	---	150	125	100	80	145	135	85	75
24	---	---	---	---	170	85	135	80	150	85	75	55
25	---	---	---	---	---	---	110	90	165	140	60	55
26	---	---	---	---	---	---	---	---	165	110	60	55
27	---	---	---	---	105	75	---	---	125	105	60	55
28	---	---	---	---	90	80	---	---	140	105	70	60
29	---	---	120	105	115	75	---	---	140	135	70	60
30	---	---	120	105	135	80	70	70	145	130	80	65
31	---	---	120	105	---	---	70	70	180	140	---	---
MONTH	---	---	---	---	---	---	---	---	180	60	175	55
YEAR	240	55										

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, MAY 1971 TO SEPTEMBER 1971

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	8.3	7.0	2.1	0.0	7.5	7.1	1.1	0.0
2	---	---	---	---	7.7	6.5	---	---	7.4	6.8	0.7	0.0
3	---	---	---	---	7.5	6.3	---	---	7.4	6.9	0.4	0.0
4	---	---	---	---	---	---	---	---	6.9	6.6	0.6	0.0
5	---	---	---	---	---	---	---	---	6.6	5.7	1.2	0.0
6	---	---	---	---	---	---	---	---	7.5	6.0	2.1	0.3
7	---	---	---	---	---	---	5.5	3.4	6.9	5.7	2.1	0.0
8	---	---	---	---	---	---	5.4	3.8	6.9	6.0	2.0	0.3
9	---	---	---	---	---	---	4.7	3.6	6.9	6.2	1.8	0.3
10	---	---	---	---	---	---	4.0	1.0	6.5	6.0	1.6	0.2
11	---	---	---	---	4.0	0.0	4.5	1.7	6.3	5.3	1.2	0.2
12	---	---	---	---	2.3	0.3	---	---	6.5	5.3	1.7	0.4
13	---	---	---	---	3.2	0.6	4.2	0.2	6.4	5.4	2.0	0.4
14	---	---	---	---	4.1	1.8	0.9	0.0	6.2	5.1	2.0	0.2
15	---	---	---	---	2.4	0.1	1.5	0.0	5.9	4.9	2.0	0.3
16	---	---	---	---	1.8	0.0	1.0	0.0	6.0	5.6	2.0	0.9
17	---	---	---	---	1.2	0.0	3.5	0.6	4.8	1.3	2.7	1.7
18	---	---	---	---	1.4	0.0	3.9	2.1	2.2	0.6	---	---
19	---	---	---	---	1.0	0.0	4.3	3.0	2.1	0.0	---	---
20	---	---	---	---	2.0	0.0	3.8	1.1	4.5	0.0	---	---
21	---	---	---	---	2.0	0.0	5.2	2.0	3.4	0.0	6.7	5.8
22	---	---	---	---	1.2	0.0	5.2	3.5	4.2	0.0	6.7	6.4
23	---	---	---	---	1.2	0.0	4.6	1.4	3.4	0.0	6.6	6.2
24	---	---	---	---	3.4	0.0	4.3	0.0	2.3	0.0	6.9	5.9
25	---	---	---	---	---	---	4.2	2.0	3.2	0.0	6.8	6.0
26	---	---	---	---	---	---	---	---	1.0	0.0	6.9	6.1
27	---	---	---	---	4.6	2.3	---	---	1.2	0.0	6.9	6.1
28	---	---	---	---	4.5	2.5	---	---	1.9	0.0	6.3	5.3
29	---	---	7.9	5.7	3.5	0.4	---	---	2.8	0.0	6.1	4.5
30	---	---	8.5	6.7	2.5	0.0	7.2	6.8	3.6	0.0	5.2	2.9
31	---	---	8.5	7.8	---	---	7.6	7.1	2.8	0.0	---	---
MONTH	---	---	---	---	---	---	---	---	7.5	0.0	6.9	0.0
YEAR	8.5	0.0										

02486450 PEARL RIVER ABOVE BYRAM, MISS.--Continued

PH (UNITS), MAY 1971 TO SEPTEMBER 1971

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	6.6	6.2	7.0	6.5	5.9	5.8	7.5	7.1
2	---	---	---	---	6.7	6.3	---	---	6.0	5.5	7.5	7.2
3	---	---	---	---	6.4	6.1	---	---	5.5	5.5	---	---
4	---	---	---	---	---	---	---	---	5.5	5.4	6.7	6.2
5	---	---	---	---	---	---	---	---	5.4	5.3	6.2	6.1
6	---	---	---	---	---	---	---	---	5.6	5.3	6.2	6.1
7	---	---	---	---	---	---	6.4	6.3	5.3	5.1	6.4	6.1
8	---	---	---	---	---	---	6.5	6.3	5.2	5.0	6.4	6.2
9	---	---	---	---	---	---	6.4	6.2	5.6	5.2	6.5	6.2
10	---	---	---	---	---	---	6.4	6.3	5.2	5.1	6.8	6.2
11	---	---	---	---	---	---	6.3	6.3	5.2	4.9	6.7	6.2
12	---	---	---	---	7.4	6.9	---	---	5.3	5.1	6.5	6.1
13	---	---	---	---	7.1	6.8	6.6	6.4	5.7	5.3	6.2	5.9
14	---	---	---	---	7.1	6.8	6.7	6.6	5.8	5.6	6.0	5.9
15	---	---	---	---	7.7	6.9	6.8	6.5	5.8	5.8	6.4	5.9
16	---	---	---	---	7.5	7.1	6.9	6.6	5.8	5.4	5.9	5.8
17	---	---	---	---	7.6	7.2	8.0	6.7	5.8	5.8	7.7	5.8
18	---	---	---	---	---	---	6.7	6.4	6.0	5.8	6.1	5.7
19	---	---	---	---	---	---	6.6	6.4	6.5	6.0	---	---
20	---	---	---	---	---	---	6.5	6.1	6.5	6.4	---	---
21	---	---	---	---	---	---	6.3	6.1	6.5	6.4	---	---
22	---	---	---	---	---	---	6.2	6.1	6.5	6.4	---	---
23	---	---	---	---	---	---	6.3	6.1	6.4	6.4	---	---
24	---	---	---	---	---	---	7.4	6.1	6.9	6.4	---	---
25	---	---	---	---	---	---	6.4	5.2	6.9	5.8	6.2	6.0
26	---	---	---	---	---	---	---	---	6.9	6.4	6.3	6.0
27	---	---	---	---	6.6	6.4	---	---	6.6	6.0	6.3	6.0
28	---	---	---	---	6.4	6.4	---	---	6.8	6.0	6.1	6.0
29	---	---	6.9	6.8	6.5	6.1	---	---	6.9	6.2	6.1	6.0
30	---	---	7.2	6.2	6.8	6.1	---	---	6.9	6.1	6.0	6.0
31	---	---	6.5	6.1	---	---	---	---	7.3	6.4	---	---
MONTH	---	---	---	---	---	---	---	---	7.3	4.9	---	---
YEAR	8.0	4.9										

TEMPERATURE (°C) OF WATER, MAY 1971 TO SEPTEMBER 1971

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	25.0	23.0	27.5	26.0	26.0	26.0	28.5	27.0
2	---	---	---	---	25.5	24.0	---	---	26.0	26.0	28.0	26.5
3	---	---	---	---	25.5	24.0	---	---	26.0	26.0	29.0	26.0
4	---	---	---	---	---	---	---	---	26.0	26.0	29.5	27.0
5	---	---	---	---	---	---	---	---	26.5	26.0	28.5	27.0
6	---	---	---	---	---	---	---	---	27.0	26.5	28.5	27.0
7	---	---	---	---	---	---	29.5	28.5	27.0	26.5	29.0	27.0
8	---	---	---	---	---	---	29.5	28.0	27.0	26.5	29.0	27.5
9	---	---	---	---	---	---	30.0	28.0	27.0	27.0	29.0	27.5
10	---	---	---	---	---	---	30.0	29.0	27.0	27.0	29.0	27.5
11	---	---	---	---	27.0	24.5	30.0	29.0	27.5	27.0	29.5	28.0
12	---	---	---	---	29.0	26.0	---	---	28.0	27.5	29.5	27.5
13	---	---	---	---	30.0	26.5	30.5	29.5	28.5	28.0	28.5	27.0
14	---	---	---	---	31.0	27.5	32.0	28.5	28.5	28.0	28.0	27.0
15	---	---	---	---	31.0	28.0	32.5	29.0	29.0	28.0	28.5	27.0
16	---	---	---	---	30.5	27.5	32.5	30.0	29.0	28.0	27.5	24.5
17	---	---	---	---	30.0	27.0	31.0	24.0	29.5	28.0	24.5	22.5
18	---	---	---	---	30.0	27.0	28.0	25.0	30.5	27.5	24.5	23.5
19	---	---	---	---	30.0	27.0	29.0	28.0	30.5	27.5	24.5	24.0
20	---	---	---	---	29.5	26.0	29.5	28.0	31.0	28.0	24.5	24.0
21	---	---	---	---	29.5	26.5	29.5	27.5	30.0	28.0	24.0	24.0
22	---	---	---	---	29.0	26.0	29.0	28.0	30.0	28.0	25.0	24.0
23	---	---	---	---	29.0	26.0	29.5	28.5	29.5	27.5	25.5	25.0
24	---	---	---	---	28.0	25.5	28.0	27.5	29.5	27.0	26.0	25.5
25	---	---	---	---	---	---	28.0	27.0	30.0	27.0	26.0	26.0
26	---	---	---	---	---	---	---	---	30.5	28.0	26.0	25.5
27	---	---	---	---	28.0	26.5	---	---	30.5	28.5	26.0	25.5
28	---	---	---	---	27.0	26.0	---	---	31.0	29.0	26.5	25.5
29	---	---	---	22.5	27.5	25.5	---	---	30.0	27.0	26.5	25.5
30	---	---	---	22.5	27.5	25.0	27.0	26.5	29.0	27.0	26.5	25.5
31	---	---	---	23.0	---	---	26.5	26.0	29.0	27.0	---	---
MONTH	---	---	---	---	---	---	---	---	31.0	26.0	29.5	22.5
YEAR	32.5	22.5										

02487000 PEARL RIVER NEAR GEORGETOWN, MISS.

LOCATION.--Lat 31°52'30", long 090°08'25", in SW¼ sec.31, T.1 N., R.2 E., Choctaw meridian, Copiah County, at bridge on State Highway 28, 2 miles east of Georgetown, Miss.

DRAINAGE AREA.--3,790 sq mi, approximately.

WATER QUALITY DATA, FEBRUARY 1971 TO AUGUST 1971

DATE	TUR-BID-ITY (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)
FEB.									
09...	--	--	85	--	--	5.6	--	--	--
APR.									
07...	32	25	50	.9	16	6.1	6	--	.050
07...	--	--	80	--	--	6.1	--	--	--
JUNE									
02...	--	15	70	2.3	--	5.8	2	.84	.010
02...	--	--	135	--	--	6.1	--	--	--
JULY									
20...	275	35	73	2.8	14	7.1	6	.90	.030
20...	--	--	80	--	--	6.2	--	--	--
AUG.									
31...	--	--	130	4.1	22	6.2	24	1.7	--
31...	--	--	130	--	--	6.2	--	--	--

DATE	NITRATE (NO3) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	PO-TAS-SIUM (K) (MG/L)
FEB.									
09...	--	--	--	--	--	--	--	--	--
APR.									
07...	.1	.00	17	9.0	8.0	8.5	.5	24	1.5
07...	--	--	--	--	--	--	--	--	--
JUNE									
02...	.1	.01	29	14	15	11	.5	20	1.6
02...	--	--	--	--	--	--	--	--	--
JULY									
20...	.5	.37	27	20	7.0	11	.5	22	3.2
20...	--	--	--	--	--	--	--	--	--
AUG.									
31...	--	--	29	15	14	--	--	--	--
31...	--	--	--	--	--	--	--	--	--

DATE	SULFATE (SO4) (MG/L)	FECAL COLI-FORM (MPN)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
FEB.									
09...	--	--	--	8.0	11.2	--	--	--	--
APR.									
07...	17	--	11700	--	--	50	--	36	140
07...	--	--	--	13.0	9.8	--	--	--	--
JUNE									
02...	23	--	--	24.0	--	23	28	65	93
02...	--	--	--	24.0	5.8	--	--	--	--
JULY									
20...	11	4480	16900	27.0	3.2	60	120	80	200
20...	--	--	--	27.0	3.2	--	--	--	--
AUG.									
31...	8.2	--	2020	28.0	8.2	53	240	60	300
31...	--	--	--	28.0	8.2	--	--	--	--

02488500 PEARL RIVER NEAR MONTICELLO, MISS.

LOCATION.--Lat 31°33', long 090°05', in SW¼ sec.23, T.7 N., R.21 W., St. Stephens meridian, Lawrence County, at gaging station at bridge on U.S. Highway 84, 1.0 mile east of Monticello, 2.5 miles upstream from Halls Creek, and 3 miles upstream from Silver Creek.

DRAINAGE AREA.--5,040 sq mi, approximately.

WATER QUALITY DATA, FEBRUARY 1971 TO SEPTEMBER 1971

DATE	DISCHARGE (CFS)	TURBIDITY (MG/L)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)
FEB.										
09...	9000	55	45	70	1.5	17	6.1	8	1.2	.070
09...	9000	--	--	80	--	--	5.8	--	--	--
APR.										
07...	11000	--	--	70	--	--	6.6	--	--	--
07...	11000	30	25	49	1.0	16	6.3	6	.80	.002
JUNE										
02...	3740	--	25	72	1.9	12	6.7	3	1.4	.010
02...	3740	--	--	140	--	--	6.5	--	--	--
JULY										
20...	2500	33	35	79	3.8	21	6.6	22	1.1	.020
20...	2500	--	--	120	--	--	6.5	--	--	--
AUG.										
31...	808	--	--	120	--	--	6.2	--	--	--
SEP.										
01...	--	--	--	120	.7	14	6.7	23	.62	--

DATE	NITRATE (NO3) (MG/L)	PHOSPHATE (PO4) (MG/L)	HARDNESS (CA,MG) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	PERCENT SODIUM	POTASSIUM (K) (MG/L)
FEB.									
09...	.0	.13	18	12	6.0	--	--	--	--
09...	--	--	--	--	--	--	--	--	--
APR.									
07...	--	--	--	--	--	--	--	--	--
07...	.1	.00	16	10	6.0	11	.7	32	1.6
JUNE									
02...	.2	.09	28	17	11	18	.8	30	1.6
02...	--	--	--	--	--	--	--	--	--
JULY									
20...	.3	.20	20	15	5.0	22	1.3	44	2.0
20...	--	--	--	--	--	--	--	--	--
AUG.									
31...	--	--	--	--	--	--	--	--	--
SEP.									
01...	--	--	15	6.0	9.0	--	--	--	--

DATE	SULFATE (SO4) (MG/L)	FECAL COLIFORM (MPN)	IMMEDIATE COLIFORM (COL. PER 100 ML)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	LOSS ON IGNITION (MG/L)	SUSPENDED SOLIDS (MG/L)	TOTAL FILTRABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)
FEB.									
09...	17	--	5000	--	--	50	--	87	157
09...	--	--	--	8.0	11.8	--	--	--	--
APR.									
07...	--	--	--	14.0	9.2	--	--	--	--
07...	9.7	--	1260	--	--	43	--	52	150
JUNE									
02...	12	--	--	24.0	--	37	62	91	153
02...	--	--	--	24.0	6.4	--	--	--	--
JULY									
20...	13	1850	7470	30.5	6.0	57	26	87	113
20...	--	--	--	30.5	6.0	--	--	--	--
AUG.									
31...	--	--	--	28.0	5.6	--	--	--	--
SEP.									
01...	19	--	9900	28.0	5.6	37	10	100	110

02489000 PEARL RIVER NEAR COLUMBIA, MISS.

LOCATION.--Lat 31°14', long 089°51', in E½ sec.7, T.3 N., R.18 W., St. Stephens meridian, Marion County, at gaging station at bridge on U.S. Highway 98, 1.5 miles southwest of Columbia, 2 miles downstream from Fernwood, Columbia, and Gulf Railroad bridge, 2.2 miles upstream from Silver Creek, and 2.8 miles downstream from Jones Creek.

DRAINAGE AREA.--5,690 sq mi, approximately.

WATER QUALITY DATA, FEBRUARY 1971 TO AUGUST 1971

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC CONDU-UCTANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)
FEB.										
09...	8470	75	45	67	2.0	18	6.3	9	1.2	.370
09...	8470	--	--	75	--	--	--	--	--	--
APR.										
07...	11920	--	--	65	--	--	6.3	--	--	--
07...	11900	55	25	50	2.5	15	6.2	16	.40	.005
JUNE										
02...	3800	--	25	54	1.8	--	6.4	4	1.1	.010
02...	3800	--	--	110	--	--	6.6	--	--	--
JULY										
20...	3150	65	20	59	2.7	12	6.6	14	.67	.010
20...	3150	--	--	100	--	--	6.2	--	--	--
AUG.										
31...	1200	--	--	--	.6	8	5.6	15	.39	--
31...	1200	--	--	120	--	--	5.6	--	--	--

DATE	NITRATE (NO3) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	PO-TAS-SIUM (K) (MG/L)
FEB.									
09...	.0	.17	19	11	8.0	--	--	--	--
09...	--	--	--	--	--	--	--	--	--
APR.									
07...	--	--	--	--	--	--	--	--	--
07...	.1	.00	15	10	5.0	10	.8	31	2.1
JUNE									
02...	.1	.02	24	11	13	14	.7	27	1.6
02...	--	--	--	--	--	--	--	--	--
JULY									
20...	.2	.09	10	5.0	5.0	36	2.7	69	1.6
20...	--	--	--	--	--	--	--	--	--
AUG.									
31...	--	--	17	7.0	10	--	--	--	--
31...	--	--	--	--	--	--	--	--	--

DATE	SULFATE (SO4) (MG/L)	FECAL COLI-FORM (MPN)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
FEB.									
09...	13	--	4100	--	--	53	--	99	167
09...	--	--	--	9.0	11.5	--	--	--	--
APR.									
07...	--	--	--	14.0	10.2	--	--	--	--
07...	3.3	--	1000	--	--	43	--	56	160
JUNE									
02...	9.5	--	--	25.0	--	23	36	47	83
02...	--	--	--	25.0	6.4	--	--	--	--
JULY									
20...	12	2550	17600	28.0	--	33	74	36	119
20...	--	--	--	28.0	6.3	--	--	--	--
AUG.									
31...	14	--	1550	27.0	--	17	6	74	80
31...	--	--	--	27.0	7.1	--	--	--	--

02490900 BOGUE CHITTO NEAR LEHR, MISS.

LOCATION (revised).--Lat 31°01'20", long 090°12'20", on line between secs.28 and 29, T.1 N., R.10 W., Washington meridian, Walthall County, at bridge on county highway between Lehr and Dillion, and 1.0 mile southwest of Lehr.

DRAINAGE AREA.-

WATER QUALITY DATA, FEBRUARY 1971 TO AUGUST 1971

DATE	TUR-BID-ITY (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC CONDU-CTANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)
FEB.									
09...	34	45	53	.1	12	6.4	8	.84	.03
09...	--	--	60	--	--	5.2	--	--	--
APR.									
07...	5	15	42	1.1	5	6.5	15	--	.002
07...	--	--	50	--	--	6.4	--	--	--
JUNE									
02...	--	10	30	3.0	--	6.7	2	.84	.000
02...	--	--	65	--	--	--	--	--	--
JULY									
20...	5	5	36	1.3	6	6.3	9	.28	.010
20...	--	--	60	--	--	6.1	--	--	--
AUG.									
31...	--	--	70	1.2	3	5.3	10	.22	--
31...	--	--	70	--	--	5.3	--	--	--

DATE	NITRATE (NO3) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	PO-TAS-SIUM (K) (MG/L)
FEB.									
09...	.0	.13	10	6.0	4.0	--	--	--	--
09...	--	--	--	--	--	--	--	--	--
APR.									
07...	.0	.04	10	5.0	5.0	18	1.4	53	1.4
07...	--	--	--	--	--	--	--	--	--
JUNE									
02...	.0	.01	14	10	4.0	9.5	.6	33	.8
02...	--	--	--	--	--	--	--	--	--
JULY									
20...	.0	.02	12	3.0	9.0	9.5	.6	31	.9
20...	--	--	--	--	--	--	--	--	--
AUG.									
31...	--	--	10	6.0	4.0	--	--	--	--
31...	--	--	--	--	--	--	--	--	--

DATE	SULFATE (SO4) (MG/L)	FECAL COLI-FORM (MPN)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
FEB.									
09...	1.6	--	5650	--	--	80	--	116	140
09...	--	--	--	10.0	10.6	--	--	--	--
APR.									
07...	13	--	700	--	--	17	--	23	47
07...	--	--	--	14.0	10.2	--	--	--	--
JUNE									
02...	3.0	--	--	22.0	--	10	14	32	50
02...	--	--	--	23.0	8.3	--	--	--	--
JULY									
20...	1.6	100	3110	27.0	8.8	27	20	27	47
20...	--	--	--	27.0	8.8	--	--	--	--
AUG.									
31...	2.6	--	1020	25.5	--	33	4	56	60
31...	--	--	--	25.5	8.3	--	--	--	--

02492502 HOBOLOCHITTO CREEK NEAR PICAYUNE, MISS.

LOCATION.--Lat 30°32'30", long 089°44'22", in sec.28, T.6 S., R.17 W., St. Stephens meridian, Pearl River County, at bridge on county highway, 2.0 miles west of Picayune.

DRAINAGE AREA.--

Period of rec. May to Sept. 1971

WATER QUALITY DATA, MAY 1971 TO SEPTEMBER 1971

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)
MAY										
06...	--	25	15	28	6.2	6	6.3	12	1.1	.000
JUNE										
17...	--	3	55	39	1.9	13	6.2	12	--	--
AUG.										
05...	--	5	70	28	1.0	26	5.5	2	--	--
SEP.										
16...	803	27	50	34	1.5	22	6.3	7	1.3	.010
16...	803	--	--	40	--	--	6.1	--	--	--

DATE	NITRATE (NO3) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	PO-TAS-SIUM (K) (MG/L)
MAY									
06...	.0	.01	34	7.0	27	14	.5	19	1.0
JUNE									
17...	.0	.06	10	6.0	4.0	12	.9	43	2.1
AUG.									
05...	.1	.10	--	--	--	5.5	--	--	1.2
SEP.									
16...	.0	.05	9	6.0	3.0	8.8	.7	40	1.4
16...	--	--	--	--	--	--	--	--	--

DATE	SULFATE (SO4) (MG/L)	FECAL COLI-FORM (MPN)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
MAY									
06...	81	--	20	18.5	--	47	52	25	77
JUNE									
17...	6.6	400	2900	27.0	4.9	27	18	49	67
AUG.									
05...	3.3	--	--	27.7	--	43	16	74	90
SEP.									
16...	2.0	--	7400	23.0	5.8	50	36	64	100
16...	--	--	--	23.0	5.5	--	--	--	--

07029270 HATCHIE RIVER NEAR WALNUT, MISS.

LOCATION.--Lat 34°56'30", long 088°47'15", in sec.4, T.2 S., R.5 E., Chickasaw meridian, Alcorn County, at gaging station on bridge on U.S. Highway 72, 6.2 miles east of Walnut.

DRAINAGE AREA.--

REMARKS.--Station discontinued.

WATER QUALITY DATA, MARCH 1971 TO JUNE 1971

DATE	DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)	NITRATE (NO3) (MG/L)	PHOSPHATE (PO4) (MG/L)	HARDNESS (CA,MG) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)
MAR.												
04...	137	60	--	5.6	--	--	--	--	--	--	--	--
APR.												
21...	590	--	--	--	--	--	--	--	--	--	--	--
JUNE												
02...	137	--	1.8	6.7	2	.84	.000	.1	.03	25	12	13
02...	137	--	--	--	--	--	--	--	--	--	--	--

DATE	SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	PERCENT SODIUM	POTASSIUM (K) (MG/L)	SULFATE (SO4) (MG/L)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	LOSS ON IGNITION (MG/L)	SUSPENDED SOLIDS (MG/L)	TOTAL FILTRABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)
MAR.											
04...	--	--	--	--	--	4.0	13.7	--	--	--	--
APR.											
21...	--	--	--	--	--	19.0	--	--	--	--	--
JUNE											
02...	5.5	.3	12	.8	4.0	20.0	--	13	60	27	87
02...	--	--	--	--	--	20.0	8.8	--	--	--	--

07029300 TUSCUMBIA RIVER NEAR CORINTH, MISS.

LOCATION.--Lat 34°55'56", long 088°36'00", on line between secs.6 and 7, T.2 S., R.7 E., Chickasaw meridian, Alcorn County, at gaging station at bridge on U.S. Highway 72, 3.2 miles west of Corinth.

DRAINAGE AREA.--

REMARKS.--Station discontinued.

WATER QUALITY DATA, MARCH 1971 TO JUNE 1971

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
MAR.									
04...	--	--	--	100	--	--	5.9	--	--
APR.									
21...	820	170	35	62	6.6	25	6.2	13	--
21...	820	--	--	--	--	--	--	--	--
JUNE									
02...	54	--	--	--	5.5	--	6.8	3	1.1
02...	54	--	--	--	--	--	--	--	--

DATE	NITRITE (N) (MG/L)	NITRATE (NO3) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM
MAR.									
04...	--	--	--	--	--	--	--	--	--
APR.									
21...	--	--	--	30	20	10	7.0	.3	14
21...	--	--	--	--	--	--	--	--	--
JUNE									
02...	.020	.2	.42	39	28	11	20	.8	27
02...	--	--	--	--	--	--	--	--	--

DATE	PO-TAS-SIUM (K) (MG/L)	SULFATE (SO4) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
MAR.									
04...	--	--	--	4.0	13.5	--	--	--	--
APR.									
21...	1.8	43	14000	19.5	--	143	--	226	370
21...	--	--	--	19.5	--	--	--	--	--
JUNE									
02...	1.7	7.4	--	20.8	--	50	48	92	140
02...	--	--	--	20.8	9.4	--	--	--	--

07278500 COLDWATER RIVER AT ARKABUTLA DAM, NEAR ARKABUTLA, MISS.

LOCATION.--Lat 34°45'26", long 090°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw meridian, De Soto County, at outlet tunnel of Arkabutla Dam, 4 miles north of Arkabutla, and 54.3 miles upstream from mouth.

DRAINAGE AREA.--1,000 sq mi, approximately.

REMARKS.--Station discontinued.

WATER QUALITY DATA, MARCH 1971 TO MAY 1971

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)
MAR. 04...	--	--	--	40	--	--	5.3	--	--	--
APR. 07...	--	110	25	52	3.4	14	6.9	14	1.4	.004
07...	--	--	--	--	--	--	--	--	--	--
MAY 19...	640	--	--	--	--	--	--	--	--	--
19...	--	--	10	47	3.1	--	6.8	21	--	--

DATE	NITRATE (NO3) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	PO-TAS-SIUM (K) (MG/L)
MAR. 04...	--	--	--	--	--	--	--	--	--
APR. 07...	.2	.09	19	11	8.0	9.3	.5	24	2.4
07...	--	--	--	--	--	--	--	--	--
MAY 19...	--	--	--	--	--	--	--	--	--
19...	.4	.07	24	13	11	--	--	--	--

DATE	SULFATE (SO4) (MG/L)	FECAL COLI-FORM (MPN)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
MAR. 04...	--	--	--	9.0	11.2	--	--	--	--
APR. 07...	8.2	--	200	11.8	--	43	--	51	203
07...	--	--	--	11.8	12.4	--	--	--	--
MAY 19...	--	--	--	22.3	9.2	--	--	--	--
19...	16	100	--	22.3	--	93	130	110	240

07280000 TALLAHATCHIE RIVER NEAR LAMBERT, MISS.

LOCATION.--Lat 34°10'50", long 090°12'55", in NE¼SW¼ sec.29, T.27 N., R.1 E., Choctaw meridian, Quitman County, at gaging station at bridge on county highway, 3.5 miles southeast of Lambert, 0.2 mile downstream from Coldwater River, and 24.5 miles downstream from point of diversion of Panola-Quitman Floodway.

DRAINAGE AREA.--1,980 sq mi, approximately (does not include 2,600 sq mi of upper Tallahatchie and Yocona rivers, the entire flow of which is diverted 24.5 miles upstream through Panola-Quitman Floodway).

REMARKS.--Station discontinued.

WATER QUALITY DATA, MARCH 1971 TO MAY 1971

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)
MAR.										
04...	4800	--	--	75	--	--	6.0	--	--	--
APR.										
07...	4950	130	25	40	2.0	12	6.9	22	1.2	.003
07...	4950	--	--	--	--	--	--	--	--	--
MAY										
19...	3250	--	--	--	--	--	--	--	--	--
19...	3250	--	10	87	1.5	--	6.9	39	--	--

DATE	NITRATE (NO3) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	PO-TAS-SIUM (K) (MG/L)
MAR.									
04...	--	--	--	--	--	--	--	--	--
APR.									
07...	.3	.11	31	19	12	9.5	.4	17	2.4
07...	--	--	--	--	--	--	--	--	--
MAY									
19...	--	--	--	--	--	--	--	--	--
19...	1.6	.26	57	33	24	--	--	--	--

DATE	SULFATE (SO4) (MG/L)	FECAL COLI-FORM (MPN)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
MAR.									
04...	--	--	--	9.0	11.4	--	--	--	--
APR.									
07...	4.4	--	2100	12.4	--	53	--	69	250
07...	--	--	--	12.4	11.0	--	--	--	--
MAY									
19...	--	--	--	23.6	6.7	--	--	--	--
19...	31	1500	--	23.6	--	77	174	63	237

07288680 SUNFLOWER RIVER AT LITTLE CALLAO LANDING, NEAR BELZONI, MISS.

LOCATION.--Lat 33°11'02", long 090°41'10", on line between secs.35 and 2, T.16 N., R.5 W., Choctaw meridian, Humphreys County, at gaging station at bridge on State Highway 12, 10.8 miles west of Belzoni.

DRAINAGE AREA.--

REMARKS.-Station discontinued.

WATER QUALITY DATA, MARCH 1971 TO MAY 1971

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)
MAR.										
04...	8500	--	--	118	--	--	6.3	--	--	--
APR.										
06...	19000	500	25	116	2.2	16	6.9	51	1.6	.012
06...	19000	--	--	160	--	--	6.4	--	--	--
MAY										
18...	10100	--	15	77	1.2	15	6.6	29	--	--
18...	10100	--	--	118	--	--	--	--	--	--

DATE	NITRATE (NO3) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	PO-TAS-SIUM (K) (MG/L)
MAR.									
04...	--	--	--	--	--	--	--	--	--
APR.									
06...	.6	.39	62	40	22	12	.4	12	3.8
06...	--	--	--	--	--	--	--	--	--
MAY									
18...	1.7	.47	38	29	9.0	--	--	--	--
18...	--	--	--	--	--	--	--	--	--

DATE	SULFATE (SO4) (MG/L)	FECAL COLI-FORM (MPN)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
MAR.									
04...	--	--	--	12.0	10.5	--	--	--	--
APR.									
06...	9.5	--	400	--	--	113	--	461	713
06...	--	--	--	12.0	10.5	--	--	--	--
MAY									
18...	16	300	--	--	--	80	208	12	230
18...	--	--	--	20.0	5.1	--	--	--	--

07290510 WHITEOAK CREEK NEAR CRYSTAL SPRINGS, MISS.

LOCATION.--Lat 32°01'36", long 090°35'30", in sec.8, T.2 N., R.2 W., Choctaw meridian, Copiah County, at bridge on county highway, 4 miles northwest of Crystal Springs.

DRAINAGE AREA.-

REMARKS.--Station discontinued.

WATER QUALITY DATA, FEBRUARY 1971 TO APRIL 1971

DATE	TURBIDITY (MG/L)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)	NITRATE (NO3) (MG/L)	PHOSPHATE (PO4) (MG/L)
FEB.											
09...	43	45	92	1.5	13	6.4	10	.95	.570	.0	.21
APR.											
07...	--	--	30	--	--	6.6	--	--	--	--	--

DATE	HARDNESS (CA,MG) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	SULFATE (SO4) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	LOSS ON IGNITION (MG/L)	TOTAL FILTRABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)
FEB.										
09...	25	14	11	10	2870	--	--	80	141	173
APR.										
07...	--	--	--	--	--	9.0	11.0	--	--	--

07292500 HOMOCHITTO RIVER AT ROSETTA, MISS.

LOCATION.--Lat 31°19'20", long 091°06'20", in sec.12, T.4 N., R.1 E., Washington meridian, Wilkinson County, at gaging station at bridge on State Highway 33 at Rosetta, 800 ft downstream from Illinois Central Railroad bridge, 1 mile downstream from Foster Creek, and 5 miles upstream from Dry Creek.

DRAINAGE AREA.--750 sq mi, approximately.

REMARKS.--Station discontinued.

WATER QUALITY DATA, MARCH 1971 TO JUNE 1971

DATE	TUR-BID-ITY (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)
MAR.									
10...	--	--	--	--	--	--	--	--	--
25...	35	20	67	2.1	6	6.4	12	.39	--
APR.									
21...	--	--	180	--	--	--	--	--	--
JUNE									
04...	--	--	82	1.5	1	6.8	2	.84	.000

DATE	NITRATE (NO3) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	PO-TAS-SIUM (K) (MG/L)
MAR.									
10...	--	--	--	--	--	--	--	--	--
25...	--	.02	17	15	2.0	21	1.4	49	2.0
APR.									
21...	--	--	--	--	--	--	--	--	--
JUNE									
04...	.0	.00	19	11	8.0	26	1.5	48	1.3

DATE	SULFATE (SO4) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
MAR.								
10...	--	--	15.0	9.7	--	--	--	--
25...	16	720	--	10.2	43	--	61	127
APR.								
21...	--	--	21.2	8.1	--	--	--	--
JUNE								
04...	11	--	25.0	--	40	25	75	100

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

PASCAGOULA RIVER BASIN

02472000 LEAF RIVER NEAR COLLINS, MISS. (LAT 31°42'25", LONG 089°24'25)

DATE	DIS- CHARGE (CFS)	TEMP- ERATURE (DEG C)	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	DIS- SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
09...	180	14.0	--	11.1	--
DEC.					
08...	159	15.0	100	--	--
21...	580	16.1	125	9.7	6.8
JAN.					
18...	1760	9.8	70	--	--
FEB.					
09...	1880	6.5	70	11.2	6.5
MAR.					
23...	2000	13.0	60	10.3	6.3
MAY					
05...	650	21.0	80	8.6	--
24...	--	20.0	--	--	--
JUNE					
18...	175	25.0	106	6.4	6.5
JULY					
13...	140	27.0	110	--	--
AUG.					
04...	390	26.2	95	7.1	6.4
SEP.					
22...	405	24.0	92	7.5	6.3

02472500 BOWIE CREEK NEAR HATTIESBURG, MISS. (LAT 31°25'32", LONG 089°24'53")

DATE	DIS- CHARGE (CFS)	TEMP- ERATURE (DEG C)	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	DIS- SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT.					
06...	127	20.0	28	--	--
16...	227	17.0	30	--	--
NOV.					
10...	190	14.2	--	11.1	--
DEC.					
01...	160	15.0	40	--	--
21...	290	17.0	38	9.4	6.8
JAN.					
22...	203	10.0	34	--	--
FEB.					
09...	946	7.5	30	11.0	6.5
MAR.					
23...	525	14.0	30	10.1	6.2
MAY					
05...	165	21.0	30	9.5	--
27...	175	26.0	36	--	--
JUNE					
15...	136	28.0	30	--	6.8
JULY					
15...	138	25.0	34	--	--
AUG.					
05...	141	28.0	35	8.0	6.3
SEP.					
21...	235	23.0	42	7.8	6.4

PASCAGOULA RIVER BASIN--Continued

02472850 OKATOMA CREEK AT SANFORD, MISS. (LAT 31°29'20". LONG 089°26'00")

DATE	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV. 10...	165	14.0	--	10.2	--
DEC. 21...	215	16.1	46	10.7	6.6
FEB. 09...	940	8.0	40	11.2	6.4
MAR. 23...	985	13.5	39	10.0	6.0
MAY 05...	165	20.5	46	8.6	--
JUNE 15...	--	27.0	39	--	6.4
AUG. 05...	350	27.0	55	7.8	6.1
SEP. 21...	490	24.0	80	7.3	6.5

02473000 LEAF RIVER AT HATTIESBURG, MISS. (LAT 31°20'33", LONG 089°16'46")

DATE	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)
DEC. 01...	733	16.0	75
APR. 16...	1440	20.0	950
MAY 27...	1300	--	345
JULY 14...	721	29.0	750

02473480 TALLAHATTAH CREEK NEAR WALDRUP, MISS. (LAT 31°51'40", LONG 089°05'10")

DATE	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV. 09...	11	13.8	--	7.5	--
DEC. 21...	15	15.1	700	9.3	7.0
FEB. 09...	50	5.5	345	11.9	6.4
MAR. 23...	60	14.1	350	10.3	6.7
MAY 04...	25	17.0	50	9.5	--
JUNE 15...	7.5	2.6	800	--	7.0
AUG. 04...	13	25.0	700	9.5	6.4
SEP. 21...	.75	24.0	440	7.7	6.5

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

PASCAGOULA RIVER BASIN--Continued

02473500 TALLAHALA CREEK AT LAUREL, MISS. (LAT 31°40'50", LONG 089°09'52")

DATE	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
09...	61	13.9	--	9.8	--
DEC.					
21...	230	13.0	130	9.6	6.6
FEB.					
09...	1685	7.0	100	10.3	6.5
MAR.					
23...	--	13.8	60	8.6	5.9
MAY					
05...	1250	18.0	65	8.6	--
24...	166	22.0	--	--	--
JUNE					
15...	30	28.0	170	--	6.3
JULY					
13...	31	29.0	280	--	--
AUG.					
04...	270	26.0	150	6.3	6.5
SEP.					
21...	210	23.5	110	6.9	6.4

02474100 TALLAHOMA CREEK NEAR LAUREL, MISS. (LAT 31°42'45", LONG 089°09'52")

DATE	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
09...	--	14.9	--	7.2	--
DEC.					
21...	216	14.0	75	9.4	6.4
FEB.					
09...	662	7.0	55	10.7	6.4
MAR.					
23...	--	12.8	40	9.9	6.1
MAY					
05...	128	18.0	44	8.2	--
JUNE					
15...	--	28.0	75	--	6.6
AUG.					
04...	93	26.0	70	7.9	6.2
SEP.					
21...	151	22.0	66	6.6	6.3

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

PASCAGOULA RIVER BASIN--Continued

02474300 TALLAHALA CREEK NEAR ELLISVILLE, MISS. (LAT 31°35'30", LONG 089°10'00")

DATE	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
09...	--	14.1	--	3.6	--
DEC.					
21...	--	12.9	118	6.8	5.8
FEB.					
09...	1160	7.5	100	7.6	6.1
MAR.					
23...	960	13.0	60	7.6	6.0
MAY					
05...	--	18.0	50	6.4	--
JUNE					
15...	--	28.0	200	--	6.5
AUG.					
04...	275	25.5	85	4.7	6.3
SEP.					
21...	330	25.0	74	6.0	6.0

02474670 BOGUE HOMO NEAR NEW AUGUSTA, MISS. (LAT 31°15'42", LONG 089°00'10")

DATE	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
09...	175	17.0	175	10.0	5.6
DEC.					
20...	350	14.0	350	9.8	6.2
FEB.					
09...	160	8.5	160	11.6	6.2
MAR.					
23...	180	13.0	180	8.6	6.2
MAY					
04...	225	20.5	225	8.8	6.1
JUNE					
15...	--	30.0	160	7.8	6.2
AUG.					
04...	--	28.0	150	7.1	5.9
SEP.					
14...	--	26.0	28	8.4	5.4
17...	--	22.0	230	--	6.5

PASCAGOULA RIVER BASIN--Continued

02474820 THOMPSON CREEK NEAR HINTONVILLE, MISS. (LAT 31°15'40", LONG 088°54'08")

DATE	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.				
09...	16.0	75	9.3	4.9
DEC.				
21...	12.0	65	8.7	5.0
FEB.				
09...	7.0	50	10.7	5.6
MAR.				
23...	13.0	70	8.1	5.7
MAY				
04...	19.0	75	8.7	5.2
JUNE				
15...	28.0	80	7.8	5.9
AUG.				
05...	24.0	58	6.3	5.3
SEP.				
14...	26.0	80	6.8	4.9
17...	--	45	6.6	5.2

02475500 CHUNKY RIVER NEAR CHUNKY, MISS. (LAT 32°19'35", LONG 088°54'35")

DATE	DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)
NOV.			
03...	100	12.0	63
DEC.			
14...	410	10.0	75
FEB.			
02...	235	6.5	70
MAR.			
17...	759	15.0	--
JUNE			
09...	248	24.0	--
JULY			
29...	594	27.0	52

02475700 CHUNKY RIVER NEAR ENTERPRISE, MISS. (LAT 32°11'49", LONG 088°49'00")

DATE	DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)
OCT.					
15...	900	19.5	50	8.3	6.3
NOV.					
24...	178	7.5	60	11.9	6.9
JAN.					
13...	550	11.0	60	10.8	6.1
FEB.					
24...	7200	11.0	70	8.5	5.4
APR.					
08...	850	14.0	--	9.4	--
MAY					
19...	600	20.0	70	8.8	5.3
JULY					
08...	165	27.0	75	5.6	6.8
AUG.					
17...	93	27.5	80	7.7	5.3
SEP.					
29...	300	26.0	--	8.0	5.4

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

PASCAGOULA RIVER BASIN--Continued

02476000 OKATIBBEE CREEK NEAR MERIDIAN, MISS. (LAT 32°21'15", LONG 088°45'25")

DATE	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT.					
15...	45	19.0	52	8.0	6.7
NOV.					
24...	80	8.0	50	10.5	6.5
JAN.					
13...	350	9.0	45	11.0	5.8
FEB.					
23...	--	13.0	45	7.7	5.2
APR.					
07...	1200	12.0	--	8.6	--
MAY					
19...	--	20.0	43	8.0	5.5
JUNE					
09...	71	22.0	108	--	--
JULY					
07...	30	26.0	80	6.0	6.8
AUG.					
17...	35	26.5	80	6.5	5.4
SEP.					
28...	254	26.0	70	7.0	4.9

02476500 SOWASHEE CREEK AT MERIDIAN, MISS. (LAT 32°22'10", LONG 088°40'40")

DATE	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT.					
15...	35	18.5	80	8.0	6.4
NOV.					
03...	9.7	11.5	80	--	--
24...	25	7.0	80	11.5	6.9
DEC.					
14...	21	9.0	75	--	--
JAN.					
13...	69	13.0	88	10.0	5.9
FEB.					
03...	31	5.5	60	--	--
24...	165	8.0	60	10.1	5.4
MAR.					
17...	85	16.0	--	--	--
APR.					
07...	82	9.0	--	9.3	--
MAY					
19...	33	20.0	75	8.3	5.3
JUNE					
09...	15	22.0	66	--	--
JULY					
06...	8.2	26.5	95	7.1	6.8
28...	8.1	25.0	62	--	--
AUG.					
17...	21	26.0	95	8.2	4.9
SEP.					
28...	80	25.0	80	6.0	5.4

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

PASCAGOULA RIVER BASIN--Continued

024766 OKATIBBEE CREEK AT ARUNDEL, MISS. (LAT 32°17'55", LONG 088°45'15")

DATE	DIS- CHARGE (CFS)	TEMP- ERATURE (DEG C)	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	DIS- SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT.					
15...	--	20.0	120	5.9	6.2
NOV.					
03...	671	16.0	60	--	--
24...	157	7.5	110	9.5	6.6
DEC.					
15...	[illegible]	[illegible]	[illegible]	--	--
JAN.					
13...	538	10.0	65	9.8	5.9
FEB.					
03...	232	7.5	90	--	--
24...	1970	13.0	75	8.7	4.8
MAR.					
17...	1430	15.0	50	--	--
APR.					
08...	--	16.0	--	6.4	--
MAY					
19...	1180	20.5	70	7.5	5.5
JUNE					
09...	120	25.0	148	--	--
JULY					
07...	1300	--	190	--	6.7
07...	1300	26.5	200	.1	6.4
28...	223	25.0	85	--	--
AUG.					
17...	160	27.5	--	1.7	5.4
17...	160	27.5	180	1.7	5.4
SEP.					
28...	482	25.0	64	5.9	6.6
28...	482	25.0	80	6.0	5.4

02477350 CHICKASAWHAY RIVER AT SHUBUTA, MISS. (LAT 31°51', LONG 088°42')

DATE	DIS- CHARGE (CFS)	TEMP- ERATURE (DEG C)	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	DIS- SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT.					
15...	1150	21.0	120	6.1	6.7
NOV.					
24...	415	8.0	90	10.5	7.1
JAN.					
13...	1280	10.5	80	10.8	6.1
FEB.					
24...	10500	16.0	50	7.1	5.8
APR.					
08...	2100	14.0	--	8.3	--
MAY					
19...	5000	21.0	--	8.5	5.7
JULY					
08...	275	28.0	90	6.8	7.0
AUG.					
18...	285	26.0	100	7.5	5.6
SEP.					
29...	760	26.0	--	7.1	5.3

PASCAGOULA RIVER BASIN--Continued

02477500 CHICKASAWHAY RIVER NEAR WAYNESBORO, MISS. (LAT 31°41', LONG 088°41')

DATE	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT. 15...	1190	21.0	320	8.0	6.7
NOV. 25...	610	7.0	--	11.1	--
JAN. 13...	1710	11.5	120	10.4	6.4
FEB. 24...	--	16.0	70	7.8	5.8
APR. 08...	614	13.0	--	8.0	--
MAY 20...	--	19.0	120	8.2	6.1
JULY 07...	576	27.0	225	6.8	6.9
AUG. 18...	360	26.0	240	7.8	6.0
SEP. 29...	830	25.0	190	6.9	5.8

02477940 BUCKATUNNA CREEK NEAR MATHERVILLE, MISS. (LAT 31°47'52", LONG 088°29'15")

DATE	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT. 15...	20.5	240	9.0	6.6
NOV. 24...	7.0	100	11.2	6.8
JAN. 13...	10.0	100	11.0	6.3
FEB. 24...	15.0	40	7.3	5.8
APR. 08...	13.0	--	7.8	--
MAY 20...	18.5	80	8.0	5.8
JULY 08...	26.5	90	8.1	7.0
AUG. 18...	26.5	135	7.5	5.1
SEP. 29...	24.0	140	7.7	5.1

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

PASCAGOULA RIVER BASIN--Continued

02478030 BUCKATUNNA CREEK NEAR BUCKATUNNA, MISS. (LAT 31°31'15", LONG 083°30'45")

DATE	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT.					
16...	133	19.0	175	8.4	6.8
NOV.					
25...	225	6.5	180	11.2	6.8
JAN.					
14...	675	12.0	110	10.5	6.4
FEB.					
24...	--	16.0	70	7.6	5.9
APR.					
08...	--	13.0	--	8.2	--
MAY					
20...	--	20.0	70	8.3	5.9
JULY					
08...	158	27.0	87	6.9	7.0
AUG.					
18...	130	27.0	100	7.5	5.6
SEP.					
29...	--	25.0	125	7.3	5.2

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MISS. (LAT 31°08', LONG 088°33')

DATE	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT.					
16...	1400	20.0	160	8.3	6.5
NOV.					
04...	1530	14.5	140	--	--
25...	1300	7.0	180	11.2	6.9
DEC.					
16...	5040	11.0	100	--	--
JAN.					
14...	3000	12.0	120	10.4	6.2
FEB.					
04...	1890	9.9	120	--	--
25...	15000	15.0	70	7.1	5.9
APR.					
07...	9000	15.5	--	7.9	--
MAY					
20...	14400	20.5	70	8.4	6.1
JUNE					
10...	1450	23.0	55	--	--
JULY					
08...	1350	28.0	120	5.8	6.9
27...	969	29.0	129	--	--
AUG.					
18...	1040	28.0	110	6.8	5.7
SEP.					
17...	1180	24.0	145	6.5	6.3
29...	1640	26.0	--	6.8	5.5

PASCAGOULA RIVER BASIN--Continued

02479000 PASCAGOULA RIVER AT MERRILL, MISS. (LAT 30°58'40", LONG 88°43'35")

DATE	DIS-CHARGE (CFS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)
DEC.				
03...	2580	140	--	16.0
FEB.				
10...	--	70	5.2	10.0
MAR.				
25...	30000	80	6.2	15.0
MAY				
06...	15000	80	6.3	20.0
JUNE				
17...	3200	150	6.3	28.0
JULY				
15...	2530	200	--	27.0
AUG.				
04...	11800	115	--	27.0
SEP.				
17...	6210	115	5.7	23.5

02479100 BLACK CREEK NEAR PURVIS, MISS. (LAT 31°11', LONG 089°23')

DATE	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
10...	130	15.1	--	10.4	--
DEC.					
23...	200	15.4	44	8.5	6.2
FEB.					
09...	525	7.0	40	10.3	6.0
MAR.					
24...	310	12.8	32	9.9	5.9
MAY					
06...	84	20.0	58	8.5	--
JUNE					
17...	--	27.0	78	7.1	6.2
AUG.					
05...	205	27.0	40	7.3	6.2
SEP.					
16...	100	21.5	83	7.3	6.0
17...	500	21.0	70	6.7	5.0

PASCAGOULA RIVER BASIN--Continued

02479130 BLACK CREEK NEAR BROOKLYN, MISS. (LAT 31°03'06", LONG 089°12'15")

DATE	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
11...	--	13.5	--	10.4	--
DEC.					
02...	202	--	45	--	--
22...	--	16.0	35	9.8	6.4
JAN.					
20...	364	7.0	36	--	--
FEB.					
10...	--	5.5	30	11.6	6.0
22...	1650	16.0	40	--	--
MAR.					
24...	--	15.6	38	9.8	5.9
APR.					
15...	252	21.0	68	--	--
MAY					
07...	--	25.0	38	9.2	--
26...	266	25.0	--	--	--
JUNE					
16...	--	--	56	7.1	5.9
JULY					
14...	122	28.0	426	--	--
AUG.					
06...	350	27.5	35	7.6	5.9
SEP.					
14...	295	26.0	46	7.4	5.5

02479191 RED CREEK AT PERKINSTON, MISS. (LAT 30°47'02", LONG 089°08'10")

DATE	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
11...	58	13.4	--	10.1	--
FEB.					
09...	680	7.0	50	11.4	6.2
MAR.					
24...	54	16.0	64	9.5	6.2
MAY					
06...	30	25.5	70	8.6	--
JUNE					
16...	--	26.0	80	7.8	5.9
AUG.					
06...	62	27.0	65	8.3	5.8
SEP.					
14...	--	25.0	78	7.0	5.8

PASCAGOULA RIVER BASIN--Continued

02479300 RED CREEK AT VESTRY, MISS. (LAT 30°44'10", LONG 088°46'50")

DATE	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
10...	380	16.0	85	9.2	5.6
DEC.					
03...	325	17.0	75	--	--
22...	8500	15.0	60	8.6	5.3
JAN.					
21...	462	9.0	65	--	--
FEB.					
10...	3300	7.5	45	10.4	5.6
MAR.					
23...	100	15.0	105	8.7	6.3
APR.					
14...	435	20.0	75	--	--
MAY					
06...	240	22.0	110	8.1	5.5
26...	653	22.0	--	--	--
JUNE					
15...	180	30.0	110	7.9	6.4
JULY					
15...	169	28.0	140	--	--
AUG.					
03...	1110	27.0	83	6.5	4.4
SEP.					
15...	856	23.0	90	6.7	3.5
17...	2190	23.0	39	--	5.1

02479330 PASCAGOULA RIVER AT CUMBEST BLUFF, MISS. (LAT 30°35'02", LONG 088°34'15")

DATE	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.				
10...	17.0	110	9.0	6.2
MAY				
06...	20.5	160	7.1	5.8
JUNE				
16...	30.0	120	5.7	6.5
AUG.				
04...	26.0	70	4.6	5.9
SEP.				
15...	25.0	70	5.6	4.7

02479580 ESCATAWPA RIVER NEAR HARLESTON, MISS. (LAT 40°43'40", LONG 088°27'20")

DATE	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.				
10...	16.5	85	9.4	4.5
DEC.				
22...	14.5	40	8.2	5.3
FEB.				
11...	6.0	30	11.2	5.2
MAR.				
24...	15.0	40	9.5	5.2
MAY				
06...	22.5	70	7.8	5.2
JUNE				
16...	27.5	45	6.7	5.5
AUG.				
03...	25.0	40	6.6	5.3
SEP.				
15...	23.0	50	7.0	3.9

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, OCTOBER 1970 TO JULY 1971

PASCAGOULA RIVER BASIN

02472580 - OKATOMA C AT SARATOGA, MISS. (LAT 31 48 30 LONG 089 40 00)

DATE	DIS-CHARGE (CFS)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	PO-TAS-SIUM (K) (MG/L)
OCT., 1970												
06...	85	--	--	--	--	--	2.2	.6	--	--	--	--
NOV.												
09...	--	--	--	--	--	--	--	--	--	--	--	--
JULY, 1971												
28...	109	25	35	5.5	11	10	2.3	1.0	3.0	.4	38	.5
28...	--	--	40	--	--	--	--	--	--	--	--	--

PEARL RIVER BASIN

02487500 - STRONG RIVER AT D'LO, MISS. (LAT 31 58 45 LONG 089 54 05)

OCT., 1970												
07...	64	10	78	6.4	20	18	5.0	1.3	6.9	.7	41	2.7
JULY, 1971												
28...	349	50	52	5.9	10	10	3.7	.2	5.0	.7	49	1.0

BAYOU PIERRE BASIN

07290500 - BAYOU PIERRE NR. CARPENTER, MISS. (LAT 32 00 00 LONG 090 41 00)

DATE	DIS-CHARGE (CFS)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	PO-TAS-SIUM (K) (MG/L)
OCT., 1970												
02...	25	5	71	6.6	19	15	4.7	.8	6.5	.7	44	2.2

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, OCTOBER 1970 TO JULY 1971

PASCAGOULA RIVER BASIN

02472580 - OKATOMA C AT SARATOGA, MISS. (LAT 31 49 30 LONG 089 40 00)

DATE	SULFATE (SO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	TEMP-ERATURE (DEG C)	CHLO-RIDE (CL) (MG/L)	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
OCT., 1970												
06...	--	--	--	--	--	--	9.6	20	--	--	--	--
NOV.												
09...	--	--	--	--	13.9	--	--	--	--	--	--	--
JULY, 1971												
28...	1.4	36	10.6	.05	24.0	3.5	8.8	--	14	.1	.5	28
28...	--	--	--	--	24.0	--	--	--	--	--	--	--

PEARL RIVER BASIN

02487500 - STRONG RIVER AT D'LO, MISS. (LAT 31 58 45 LONG 089 54 05)

DATE	SULFATE (SO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	TEMP-ERATURE (DEG C)	CHLO-RIDE (CL) (MG/L)	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
OCT., 1970												
01...	2.8	55	9.50	.07	--	10	12	40	24	.2	.1	53
JULY, 1971												
28...	1.2	64	60.3	.09	24.5	5.8	9.9	--	12	.1	1.2	34

BAYOU PIERRE BASIN

07290500 - BAYOU PIERRE NR. CARPENTER, MISS. (LAT 32 00 00 LONG 090 41 00)

DATE	SULFATE (SO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	CHLO-RIDE (CL) (MG/L)	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
OCT., 1970											
02...	.0	60	4.05	.08	6.9	15	30	23	.0	.2	47

INDEX

Page
Aberdeen, Buttahatchee River near........ 31
Accuracy of data........ 12
Acre-foot, definition of........ 3
Airport Branch at Jackson........ 125
Amite River near Darlington, La........ 107
Amory, Tombigbee River near........ 30
Arkabutla, Coldwater River at Arkabutla Dam near........ 88
Arkabutla Lake near Arkabutla........ 87
Arundel, Okatibbee Creek at........ 53
Askalmore Creek at Retention Dam near Cascilla........ 96

Bagley Creek near Abbeville........ 127
Bakers Creek at Bolton........ 110
Baking Powder Draw near Prentiss........ 117
Barretts Branch near Pinola........ 117
Basket Creek near Senatobia........ 127
Bayou Bacon near Kiln........ 124
Bayou Pierre basin, crest-stage partial-record
    stations in........ 121
  discharge measurements at miscellaneous sites in........ 128
  gaging-station records in........ 103
  low-flow partial-record stations in........ 110
  water quality records in........ 160,174-175
Bayou Pierre at Dentville........ 128
  at Glancy........ 128
  near Beauregard........ 110
  near Carpenter........174-175
  near Martinsville........ 128
  near Wesson........ 128
  near Willows........ 103
Bear Creek at Bishop, Ala........ 77
  at Mingo........ 76
Bear Creek near Canton........ 109
Beaver Run near McCall Creek........ 121
Bigbee, Tombigbee River at........ 27
Big Black River at Pickens........ 101
  near Bovina........21,102
  near Eupora........ 127
Big Black River basin, crest-stage partial-record
    stations in........120-121
  discharge measurements at miscellaneous sites in........ 127
  gaging-station records in........ 101-102
  low-flow partial-record stations in........ 109-110
Big Black River tributary near Eupora........ 120,127
Big Brown Creek near Booneville........ 111
Big Bywy ditch near Pellez........ 109
Big Creek tributary near Laurel........ 113
Big Sand Creek tributary near North Carrollton........ 119
Biloxi River at Wortham........ 62
  near Lyman........ 115
Biloxi River basin, gaging station records in........ 62
Biloxi, Tuxachanie Creek near........ 61
Biochemical oxygen demand, definition of........ 3
Black Creek near Beundale........ 144
  near Brooklyn........57,172
  near Purvis........ 171
Blown Pine Creek near Hattiesburg........ 115
Bluff Creek tributary near Whites Crossing........ 115
Boggans ditch near Mendenhall........ 117
Bogue Chitto near Johnson Station........ 126
  near Lehr........126,153
  near Pricedale........ 118
  near Summit........ 126
  near Tylertown........ 74
Bogue Fallah Creek tributary near Ackerman........ 113
Bogue Homo near Laurel........ 136
  near New Augusta........ 165
  near Richton........ 48
Bovina, Big Black River near........ 102
Bowie Creek near Hattiesburg........ 41,162
  near Sanford........ 114
Bradleys ditch near Pinola........ 117
Brashear Creek at Ridgeland........ 124
Broad Lake tributary No. 1 near Yazoo City........ 120
Broad Lake tributary No. 2 near Yazoo City........ 120
Brooklyn, Black Creek at........ 57
Bruce, Skuna River at........92-93
Brushy Creek at Hopewell........ 125
Brushy Creek tributary near Oxberry........ 119
Buck Creek near Runnelstown........ 114
Buckatunna Creek at Sykes........ 123
  near Buckatunna........ 170
  near Carmichael........ 123
  near Matherville........ 169
Buffalo River basin, gaging-station records in........ 106
Buffalo River near Woodville........ 106
Bull Mountain Creek near Smithville........ 26
Buttahatchee River near Aberdeen........ 31

Page
Calabrella Creek near Tomnolen........ 109
Calhoun City, Yalobusha River at........ 91
Campbell Creek at Johns........ 108
Cane Creek near New Albany........ 79
Caney Creek near Coffeeville........ 119
Carthage, Pearl River near........ 65
Cascilla, Askalmore at Retention Dam near........ 96
Catahoula Creek near Caesar........ 124
  near Santa Rosa........ 108
Catalpa Creek at Mayhew........ 113
Cedar Creek near Brooksville........ 113
Cfs-day, definition of........ 3
Chemical oxygen demand, definition of........ 3
Chickasawhay River at Enterprise........54,139
  at Leakesville........55,170
  at Shubuta........ 168
  near Waynesboro........ 169
Chiwapa Creek at Shannon........ 112
Chuquatonchee Creek near Egypt........ 32
  near Okalona........ 112
  near West Point........ 33
Chuquatonchee Creek tributary near Trebloc........ 112
Chunky River near Chunky........50,166
  near Enterprise........ 166
Clarks Creek near Pattison........ 121
Clear Branch near Tupelo........ 111
Clear Creek near Bovina........ 121
Clear Creek near Oxford........ 81
Clear Creek near Sandy Hook........ 109
Clear Creek tributary near Pelahatchie........ 116
Coffee Bogue at Ludlow........ 124
Coldwater River at Arkabutla Dam, near Arkabutla........88,157
  near Red Banks........109,127
Coles Creek near Fayette........ 121
Coliform organisms, definition of........ 3
Collection and computation of surface water data........ 8
Collection and examination of water quality data........ 14
Collins, Leaf River near........ 40
Columbus, Tombigbee River at........ 35
Contents, definition of........ 3
Control, definition of........ 3
Coonshuck Creek tributary near House........ 115
Coonewar Creek at Shannon........ 111
Cooperation, record of........ 2
Copiah Creek near Hazlehurst........ 117
Cotton Gin Branch near Tupelo........ 111
Cowbell Creek near Houlka........ 112
Cow Pike Pass near Tupelo........ 111
Cracker ditch near Pontotoc........ 118
CRS Draw near Liberty........ 121
Cubic feet per second per square mile, definition of........ 3
Cubic foot per second, definition of........ 3
Culley Creek near Ridgeland........ 124
Cypress Creek near Etta........ 118
Cypress Creek near Janice........58,143
Cypress Creek tributary at Bradley........ 113

Data, other available........ 14
Dennis, Mackeys Creek near........ 24
Discharge, definition of........ 4
Discharge, records collected by other agencies........ 14
D'Lo, Strong River at........ 70
Downing Branch near French Camp........ 120
Drainage area, definition of........ 4
Dry Draw near Brookhaven........ 121

East Branch Town Creek at Jackson........ 125
East Hobolochitto Creek near Carriere........ 126
East Prong Silver Creek at Hebron........ 126
Eddiceton, Homochitto River at........ 104
Edinburg, Pearl River at........ 64
Egypt, Chuquatonchee Creek near........ 32
Elmers Draw near Columbia........ 118
Enid Lake near Enid........ 85
Enid, Yocona River at Enid Dam near........ 86
Enterprise, Chickasawhay River at........ 54
Escatawpa River at Moss Point........ 145
  near Harleston........115,173
  near Wilmer, Ala........ 60
Etta, Tallahatchie River at........ 80
Eubanks Creek at Jackson........116,124
Eubanks Creek tributary at Jackson........ 124
Euclautubba Creek at Saltillo........ 111

Fair River near Monticello........ 126
  near Sontag........ 126
Fannegusha Creek near Tchula........ 120
Flat Scooba Creek tributary near Scooba........ 113

Preceding page blank

Page
Foster Creek near Myles... 128
  near Smyrna... 128
Franklin Creek near Grand Bay, Ala... 115
Fulton, Tombigbee River near... 25

Gage height, definition of... 4
Gaging station, definition of... 4
Gallagher Creek at Meridian... 123
Goines Draw near Prentiss... 117
Gordon Creek at Broad Street at Hattiesburg... 114
Granny Branch at Piave... 114
Greenwood, Yazoo River at... 97
Grenada Lake near Grenada... 94
Grenada, Yalobusha River at Grenada Dam near... 95

Halls Creek near Monticello... 109
Hamilton Branch near DeKalb... 113
Hanging Moss Creek at Jackson... 116
Hardness, definition of... 4
Hatchie River near Walnut... 155
Hatchie River basin, crest-stage partial-record
    stations in... 118
  water quality records in...155-156
Hattiesburg. Bowie Creek near... 41
  Leaf River at... 45
Hays Creek tributary near Vaiden... 120
Hell Creek near New Albany... 118
Hickahala Creek near Senatobia... 127
Hickory Creek near Kiln... 124
Hobolochitto Creek near Picayune...116,154
Hollybush Creek tributary No. 1 near Pisgah... 116
Hollybush Creek tributary No. 2 near Pisgah... 116
Homochitto River at Eddiceton... 104
  at Rosetta...105,161
Homochitto River basin, crest-stage partial-record
    stations in... 121
  gaging-station records in...104-105
  water quality records in... 161
Houlka Creek near McCondy... 112
Hurricane Creek near Dentville... 128
Hurricane Creek near Oxford... 109
Hurricane Creek near Sandy Hook... 109
Hydrologic bench-mark station, definition of... 6
Hydrologic conditions... 17

Indian Branch near Edinburg... 116
International hydrological Decade River Stations,
    definition of... 6
Introduction... 1

Jackson Creek near Barlow... 128
  near Clancy... 128
Jackson. Pearl River at... 69
James Creek at Aberdeen... 112
James Wolf Creek near Looxahoma... 127
James Wolf Creek tributary near Looxahoma... 119
Janice. Cypress Creek near... 58
Johnson Creek near hazlehurst... 128
Jones Creek near Hazlehurst... 128
Jones Creek tributary near New Albany... 118
Jourdan River basin, discharge measurements at
    miscellaneous sites in... 124
  low-flow partial-record stations in... 108

Kentawha Creek at Philadelphia... 108
King Creek near Martinsville... 128
Kokomo Draw at Kokomo... 118
Koscuisko, Yockanookany River near... 67

Lambert, Tallahatchie River near... 89
Laurel, Tallahala Creek at... 46
Lawson Branch near Betheden... 113
Leaf River at Hattiesburg...45,163
  at Taylorsville... 113
  near Collins...40,162
  near McLain... 49
  near Palmer...123,131-133
  near Raleigh... 113
Leakesville, Chickasawhay River at... 55
Limestone Creek near Georgetown... 125
Line Creek near Maben... 112
Little Bogue Creek near Duck Hill... 127
Little Creek near Fayette... 121
Little Okatuppa Creek near Quitman... 113
Little Rock Creek tributary near Little Rock... 114
Little Spring Creek at Malone... 127
Lobutcha Creek at Renfroe... 124
  at Zama... 124

Page
Lobutcha Creek tributary at Wamba... 116
Long Creek near Cascilla... 119
Long Creek near Courtland... 119
Long Creek at Sallis... 109
Long Creek near Hazlehurst... 128
Long Creek near Quitman... 123
Lonsilocka Creek near Philadelphia... 108
Luxapallila Creek at Steens... 36
Lyman, Wolf River near... 63
Lynch Creek at Jackson...117,125
Lynch Creek tributary at Jackson... 125

McCall Creek near Lucien... 121
McLain, Leaf River near... 49
Mackeys Creek near Dennis... 24
Macon, Noxubee River at... 38
Mantachie Creek at Dorsey... 123
Map showing location of gaging and water-quality
    sampling stations... 19
Map showing location of partial-record stations... 20
Martin Lake tributary at Sidon... 119
Matubby Creek near Aberdeen... 112
Mayo Slough tributary near Columbus... 113
Measurements at miscellaneous sites:
  Bayou Pierre basin... 128
  Big Black River basin... 127
  Jourdan River basin... 124
  Mobile River basin... 123
  Pascagoula River basin... 123
  Pearl River basin...124-126
  Tennessee River basin... 126
  Yazoo River basin... 127
Meridian, Okatibbee Creek near... 51
  Sowashee Creek at... 52
Merrill, Pascagoula River at...21,56
Micrograms per liter, definition of... 4
Middle Fork Hickory Flat near Tylertown... 118
Mill Creek near Picayune... 126
Mill Creek tributary near Lizana... 115
Milligrams per liter, definition of... 4
Mingo, Bear Creek at... 76
Mississippi River at Memphis, Tenn... 78
  at Vicksburg...99-100
Mississippi River Delta, crest-stage partial-record
    stations in... 122
Mississippi River Main Stem, gaging-station
    records in...78,99-100
Mobile River basin, crest-stage partial-record
    stations in...111-113
  discharge measurements at miscellaneous sites in... 123
  gaging-station records in...24-39
Monticello, Pearl River near... 71
Moores Branch near Woodville... 121
Mosquito Branch at Benndale... 115
Mosquito Lake tributary No. 1 at Itta Bena... 120
Mosquito Lake tributary No. 2 at Itta Bena... 120
Mulberry Creek at Kilmichael... 127
Murder Creek near Poplarville... 115

Nanawaya Creek near Handle... 124
Neely Creek near Brandon... 116
Nettleton, Town Creek near... 29
Networks and Programs, special... 6
New Albany, Cane Creek near... 79
Newhebron Gulley at Newhebron... 117
Nichols Creek tributary near Quincy... 112
North Tippah Creek near Ripley... 119
Noxubee River at Macon... 38
  near Brooksville... 113
  near Geiger, Ala... 39

Oakohay Creek at Hot Coffee... 108
  at Mize... 113
Oak Vale, Whitesand Creek near... 72
Observers Draw near Doloroso... 121
Ofahoma, Yockanookany River near... 68
Okatibbee Creek at Arundel...53,137-138,168
  near Meridian...51,167
Okatoma Creek at Sanford... 163
  at Saratoga...42-44,130,174-175
  near Magee... 123
Okatoma Creek tributary at Mt. Olive... 114
Okatoma Creek tributary No. 2 near Collins... 114
Order, downstream listing gaging stations... 7
Otuckalofa Creek at Water Valley... 119
Oxford, Clear Creek near... 81
  Yocona River near... 84
Palusha Creek tributary near Carrollton... 119

Page

- Panther Creek near Flora.......... 120
- Panther Creek tributary near Flora.......... 121
- Partial-record station, definition of.......... 4
- Pascagoula River at Cumbest Bluff.......... 173
  - at Merrill..........21,56,140-141,171
  - near Benndale.......... 142
- Pascagoula River basin, crest-stage partial-record stations in..........113-115
  - discharge measurements at miscellaneous sites in.......... 123
  - gaging-station records in..........40-60
  - low-flow partial-record stations in.......... 108
  - water quality records in..........130-145,162-175
- Pawticfaw Creek near Porterville.......... 123
- Pearl River above Byram..........148-149
  - at Edinburg.......... 64
  - at Jackson.......... 69
  - near Bogalusa, La.......... 73
  - near Carthage..........65,146
  - near Columbia.......... 152
  - near Georgetown..........125,150
  - near Monticello..........71,151
  - near Rockport.......... 126
  - near Rosella.......... 126
- Pearl River basin, crest-stage partial-record stations in..........115-118
  - discharge measurements at miscellaneous sites in..........124-126
  - gaging-station records in..........64-74
  - low-flow partial-record stations in..........108-109
  - water quality records in..........146-154,174-175
- Pearl River tributary at Morgantown.......... 126
- Pesticide program, definition of.......... 6
- Pickens, Big Black River at.......... 101
- Pigeonroost Creek near Byhalia.......... 127
- Plum ditch near Prentiss.......... 118
- Pollard Mill Branch near Paden.......... 111
- Ponta Creek near Lauderdale.......... 123
  - near Lizelia.......... 123
- Pool Branch near Ripley.......... 118
- Powers Creek near Rose Hill.......... 114
- Purple Creek near Jackson.......... 116

- Quiver River tributary near Schlater.......... 120

- Radiochemical program, definition of.......... 7
- Red Creek at Perkinston.......... 172
  - at Vestry..........59,173
- Red Creek tributary near Wiggins.......... 115
- Red Boot Creek near Fulton.......... 111
- Red Cane Creek tributary near Pisgah.......... 116
- Richland Creek tributary near Brandon.......... 117
- Richton, Bogue Homo near.......... 48
- Roadside Park ditch near Monticello.......... 117
- Rosetta, Homochitto River at.......... 105
- Runnelstown, Tallahala Creek near.......... 47
- Runoff in inches, definition of.......... 5

- Sabougla Creek tributary at Sabougla.......... 119
- St. Catherine Creek basin, crest-stage partial-record stations in.......... 121
- Salt Creek near Eupora.......... 127
- Sand Creek tributary near Mayhew.......... 113
- Sanders Creek at Braxton.......... 125
- Saratoga, Okatoma Creek at..........42-44
- Sardis Lake near Sardis.......... 82
- Sardis, Tallahatchie River at Sardis Dam, near.......... 83
- Selected references.......... 18
- Senatobia Creek near Senatobia..........109,127
- Seneasha Creek near Pickens.......... 109

Page

- Sharkey Creek tributary near West.......... 120
- Shell Creek near Tupelo.......... 111
- Short Creek tributary near Yazoo City.......... 120
- Shubuta Creek near Shubuta.......... 114
- Sipsey Creek near Forest.......... 108
- Skuna River at Bruce..........92-9
- Small Pine ditch near Monticello.......... 117
- Smithville, Bull Mountain Creek near.......... 26
- Sodium adsorption ratio, definition of.......... 5
- Solutes, definition of.......... 5
  - explanation of methods of collection.......... 16
- Souinlovey Creek near Baxter.......... 114
- Sowashee Creek at Meridian..........52,167
- Spanish Bayou at Natchez.......... 121
- Specific conductance, definition of.......... 5
- Spring Creek near Mathiston.......... 127
- Stage-discharge relation, definition of.......... 6
- Standing Pine Creek near Freeny.......... 108
- Station Creek near Collins.......... 123
- Steens, Luxapallila Creek at.......... 36
- Stock Pond Draw near Liberty.......... 122
- Strong River at D'Lo..........70,174-175
  - near Rockport.......... 108
- Sunflower River at Little Callao Landing near Belzoni... 159
  - at Sunflower.......... 98
- Surface water publications, explanation of.......... 13
- Swan Lake, Tallahatchie River at.......... 90
- Sweetwater Creek near Sandy Hook.......... 109

- Tacketts Creek tributary near Pickens.......... 120
- Tallabogue Creek near Harperville.......... 124
- Tallabogue Creek tributary near Harperville.......... 116
- Tallahala Creek at Laurel..........46,164
  - at Waldrup.......... 114
  - near Ellisville.......... 165
  - near Runnelstown..........47,134-135
- Tallahatchie River at Etta.......... 80
  - at Sardis Dam, near Sardis.......... 83
  - at Swan Lake.......... 90
  - near Lambert..........89,158
- Tallahatta Creek at Meehan Junction.......... 108
- Tallahattah Creek near Waldrup..........114,163
- Tallahoma Creek near Laurel.......... 164
- Tallahoma Creek tributary at Lake Como.......... 114
- Tangipahoa River tributary near McComb.......... 122
- Tchoutacabouffa River basin, gaging-station records in.. 61
- Temperature.......... 16
- Tennessee River at Florence, Ala.......... 75
- Tennessee River basin, discharge measurements at miscellaneous sites in.......... 126
  - gaging-station records in..........75-77
- Terms and abbreviations, definition of.......... 3
- Thermograph, definition of.......... 6
- Thompson Creek basin, crest-stage partial-record stations in.......... 121
- Thompson Creek near Clara.......... 123
  - near Hintonville..........123,166
- Three Mile Creek at Jackson.......... 117
- Tibbee Creek near Tibbee.......... 34
- Tie Plant Branch near Grenada.......... 119
- Tilda Bogue near Canton.......... 120
- Tilton Creek near Oak Vale.......... 109
- Tippo Bayou tributary at Phillip.......... 119
- Tombigbee River at Aberdeen.......... 112
  - at Bigbee.......... 27
  - at Columbus..........21,35
  - near Amory.......... 30
  - near Cochrane, Ala.......... 37
  - near Fulton.......... 25

Page
Tombigbee River near Marietta................................ 111
Tons per acre-foot, definition of............................ 6
Tons per day, definition of.................................. 6
Town Creek at Eason Boulevard at Tupelo...................... 28
  at Tupelo.. 111
  near Nettleton... 29
Town Creek at Jackson.....................................116,125
Trim Cane Creek near Starkville.............................. 112
Truck Stop ditch near Tupelo................................. 111
Tupelo, Town Creek at Eason Boulevard at..................... 28
Turkey Creek near Dentville.................................. 128
  near Gallman... 128
Tuscolameta Creek at Walnut Grove............................ 66
Tuscumbia River near Corinth................................. 156
Tuxachanie Creek near Biloxi................................. 61
Tylertown, Bogue Chitto near................................. 74

Vaughn's Creek near Rockport................................. 109
Vestry, Red Creek at... 59
Vicksburg, Mississippi River at...........................99-100

Walls Creek tributary near Brooklyn.......................... 115
Walnut Grove, Tuscolameta Creek at........................... 66
Waterfall Branch near McLain................................. 114
Water quality publications................................... 16
Wesley Branch near Walnut.................................... 118
West Branch Town Creek in Jackson............................ 125
West Hobolochitto Creek near McNeill......................... 118
  near Ozona... 126
West Point, Chuquatonchee Creek near......................... 33
Westville Creek at Pinola.................................... 108

Page
Whiteoak Creek at Carpenter.................................. 110
  near Crystal Springs....................................... 160
White Oak Creek at Gunn...................................... 125
Whiteoak Creek tributary near Utica.......................... 121
Whitesand Creek near Oak Vale................................ 72
Willows, Bayou Pierre near................................... 103
Wolf River basin, crest-stage partial-record stations in 115
  gaging station records in.................................. 63
Wolf River near Lyman.. 63
  near Poplarville... 115
Woodville, Buffalo River near................................ 106
Wortham, Biloxi River at..................................... 62
WRD, definition of... 6
WSP, definition of... 6

Yalobusha River at Calhoun City.............................. 91
  at Grenada Dam, near Grenada............................... 95
Yazoo River at Greenwood..................................... 97
Yazoo River basin, crest-stage partial-record
    stations in...118-120
  discharge measurements at miscellaneous sites in........... 127
  gaging-station records in.................................79-98
  low-flow partial-record stations in........................ 109
  water quality records in.................................157-159
Yellow Creek at Doskie....................................... 126
Yockanookany River at Wier................................... 124
  near Kosciusko... 67
  near Ofahoma...68,147
Yockanookany River tributary near McCool..................... 116
Yocona River at Enid Dam, near Enid.......................... 86
  near Oxford.. 84

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